

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table IV, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

Thunderstorms.—Reports of 3289 thunderstorms were received during the current month as against 2149 in 1903 and 1125 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country was most numerous were: 22d, 361; 24th, 283; 3d, 245.

DESCRIPTION OF TABLES AND CHARTS.

By Mr. W. B. STOCKMAN, District Forecaster, in charge of Division of Meteorological Records.

Table I gives, for about 137 Weather Bureau stations making two observations daily and for about 31 others making only one observation, the data ordinarily needed for climatological studies, viz., the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation, the total depth of snowfall, and the mean wet-bulb temperatures. The altitudes of the instruments above ground are also given.

Table II gives, for about 2,800 stations occupied by voluntary and other cooperating observers, the highest maximum and the lowest minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station, the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (....).

Table III gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions of the wind based on these two observations only and without considering the velocity. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I.

Table IV gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table V gives a record of rains whose intensity at some period of the storm's continuance equaled or exceeded the following rates:

Duration, minutes.....	5	10	15	20	25	30	35	40	45	50	60	80	100	120
Rates per hour (ins.).....	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.86	0.84	0.75	0.60	0.54	0.50

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table VI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Table VII gives the heights of rivers referred to zeros of gages; it is prepared by the Forecast Division.

NOTES EXPLANATORY OF THE CHARTS.

Chart I, tracks of centers of high areas, and Chart II, tracks

Reports were most numerous from: Missouri, 312; Illinois, 281; Ohio, 267.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the dates of full moon, viz: February 26 to March 5, and March 27 to April 4, inclusive.

In Canada.—Thunderstorms were reported from Halifax, 3, 23; Grand Manan, 3; Yarmouth, 3; Charlottetown, 4; Ottawa, 23; Toronto, 3, 23; Port Stanley, 3, 26, 31; Saugeen, 3, 22; Parry Sound, 22, 25; New Westminster, 15; Hamilton, Bermuda, 4, 12, 15.

Auroras were reported from Minnedosa, 5; Swift Current, 4; Edmonton, 5; Prince Albert, 31; Battleford, 4, 7, 14.

DESCRIPTION OF TABLES AND CHARTS.

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of centers of low areas, are prepared by the Forecast Division. The roman numerals show number and chronological order of highs (Chart I) and lows (Chart II). The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., seventy-fifth meridian time. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest barometric reading at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all by 0.0.

Chart IV.—Percentage of clear sky. The average cloudiness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of clear sky, and the values thus obtained have been used in preparing Chart IV.

Chart V.—Surface temperatures; maximum, minimum, and mean of these. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VI. Isobars and isotherms at 10,000 feet. The mean monthly station pressure for each station has been reduced to the 10,000-foot plane by entering Table 53, pages 789-988, Volume II, Annual Report of the Chief of the Weather Bureau, 1900-1901, with the temperature argument, *t*, corresponding to θ_2 , and correcting the station pressure by the reduction $B_2 - B$ after applying the plateau correction, *C*. $\Delta \theta$. *H*, and the corrections for *e* and ΔA , the argument *t* being the mean monthly air temperature. This reduction is fully described in the Annual Report of the Chief of the Weather Bureau for 1900-1901, Volume II, pages 772 to 786. The reduction for obtaining B_2 may also be found by using gradients from the station pressure to the height of 10,000 feet, as set forth on pages 18 and 19 of the MONTHLY WEATHER REVIEW for January, 1902.

The isotherms on the 10,000-foot plane have been computed by using the gradients for temperature for each month and station as shown by Table 48, Chapter VIII, Volume II, Report of the Chief of the Weather Bureau, 1900-1901.

Chart VII.—Isobars and isotherms at 3500 feet. The pressure and temperature data entered on this chart are found by the method described for similar data on the 10,000 foot plane.

Chart VIII.—Isobars and isotherms at sea-level and resultant surface winds. The pressures have been reduced to sea level and standard gravity by the method described by Prof. Frank H. Bigelow on pages 13-16 of the REVIEW for January, 1902. The pressures have also been reduced to the mean of the twenty-four hours by the application of a suitable correction to the mean of the 8 a. m. and 8 p. m. readings, at stations taking two observations daily, and to the 8 a. m. or 8 p. m.

observation, respectively, at stations taking but a single observation. The diurnal corrections so applied will be found in Table 27, Volume II, Annual Report of the Chief of Weather Bureau, 1900-1901, pp. 140-164.

The isotherms on the sea-level plane have been constructed by means of the data summarized in chapter 8 of the Annual Report of the Chief of the Weather Bureau for 1900-1901, Volume II. The correction $t_0 - t$, or temperature on the sea-level plane minus the station temperature, as given by Table 48 of the above report, is added to the observed surface temperature to obtain the adopted sea-level temperature.

The resultant wind directions are computed from observa-

tions at 8 a. m. and 8 p. m. daily. The resultant durations are shown by figures attached to the arrows.

IX.—Isobars at sea-level; surface isotherms; resultant winds.

Chart X.—Hydrographs for seven principal rivers of the United States, prepared by the Forecast Division.

Chart XI.—The total snowfall. This is based on the reports from regular and voluntary observers, and shows the depth of the snowfall during the month in inches. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures are also given.

Chart XII.—Depth of snow on ground at end of month.

When there is no snow the last two charts are omitted.

TABLE I.—Climatological data for Weather Bureau stations, March, 1904.

TABLE I.—Climatological data for Weather Bureau stations, March, 1904—Continued.

Stations.	Elevation of instruments		Pressure, in inches.				Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.			Wind.																
	Barometer above sea level, feet.	Thermometers above ground.	Actual reduced to mean of 24 hours.	Sea level reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. + 2.	Maximum.	Mean maximum.	Minimum.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Miles per hour.	Maximum velocity.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snow fall.							
	Aneroid above ground.						Date.	Date.	Date.	Date.		Mean relative humidity per cent.			Days with .01, or more.			Date.														
North Dakota.																																
Moorhead.....	935	54	60	28.97	30.02	— .06	17.6	— 4.5	46	24	30	— 11	3	12	31	20	18	78	1.52	+ 0.7	nw.	sw.	25	5	6.1							
Bismarck.....	1,674	16	29	28.16	30.01	— .05	19.4	— 3.2	45	6	28	— 10	3	10	33	17	10	66	1.09	+ 0.0	11	9,781	25	11	5.7	10.9						
Williston.....	1,875	14	44	27.92	30.00	— .04	12.4	— 11.1	42	6	22	— 16	13	2	41	10	7	79	1.57	+ 1.1	13	10,465	25	11	8	5.2	16.0					
Upper Miss. Valley.																			78	3.28	+ 1.0					6.8						
Minneapolis.....	99	208					27.7	+ 0.3	53	23	34	— 4	3	21	27	27	23	80	1.64	+ 0.1	10	9,709	nw.	48	2	3	6.2	12.2				
St. Paul.....	837	102	122	29.06	30.00	— .05	28.6	+ 1.1	53	21	33	— 3	2	22	27	27	23	80	1.47	+ 0.1	11	6,487	nw.	31	25	2	9,20	7.4				
La Crosse.....	714	71	87	29.23	30.02	— .02	31.4	+ 0.6	56	23	38	— 4	3	25	29	29	27	80	1.70	+ 0.1	12	6,110	se.	37	2	5	9,17	5.3				
Davenport.....	606	71	79	29.32	29.97	— .06	36.0	+ 1.1	62	24	44	13	3	29	30	32	29	78	2.70	+ 0.5	11	6,879	nw.	38	24	4	8,19	7.5	7.9			
Des Moines.....	861	84	99	29.06	30.00	— .04	36.2	+ 1.5	63	2	44	8	3	28	46	32	28	77	1.20	+ 0.3	10	7,704	nw.	41	2	4	13,14	4.5				
Dubuque.....	698	100	117	29.24	30.01	— .03	33.8	+ 0.9	56	4	41	8	3	27	27	30	27	80	2.86	+ 0.6	12	6,370	nw.	34	3	11	7,58	8.0				
Keokuk.....	614	63	78	29.30	29.98	— .05	38.6	+ 1.0	74	21	46	14	3	31	36	34	30	78	3.46	+ 1.3	13	6,882	nw.	36	24	7	10,14	6.5	4.7			
Cairo.....	356	87	93	29.63	30.02	— .02	49.1	+ 2.3	78	21	58	24	4	40	45	44	40	75	4.60	+ 0.8	12	8,911	s.	46	3	2	17	12	7.0			
Springfield, Ill.	644	82	93	29.36	30.00	— .03	39.8	+ 0.6	73	31	48	19	3	32	30	36	33	81	4.73	+ 2.0	15	8,907	nw.	34	3	4	8,19	7.7	2.1			
Hannibal.....	534	75	109	29.41	30.00	— .02	41.2	+ 1.7	80	21	50	16	3	32	39	30	32	78	3.82	+ 1.1	12	8,204	nw.	53	w.	21	9,10	12	6.5			
St. Louis.....	567	208	21	29.37	29.99	— .04	44.9	+ 1.8	79	31	54	22	3	36	46	40	36	76	7.87	+ 4.4	12	9,956	se.	51	n.	3	6	10,15	6.5	T.		
Missouri Valley.							38.5	+ 3.1										68	1.92	+ 0.2					5.8							
Columbia, Mo.	784	11	84	29.10	29.95	— .08	43.8	+ 2.4	83	21	55	15	4	33	46	44	38	71	5.51	+ 3.3	9	7,161	sw.	44	24	8	12	11,59	0.2			
Kansas City.....	963	78	95	28.93	29.99	— .03	43.6	+ 3.1	78	21	53	15	3	34	54	38	32	71	4.43	+ 0.7	11	11,184	se.	45	n.	3	12	12,6	1.8			
Springfield, Mo.	1,324	98	104	28.53	29.95	— .07	47.4	+ 3.9	82	21	58	18	3	36	40	41	36	71	2.62	+ 0.5	6	8,498	n.	44	s.	9	5	19	7,5	3.9		
Topeka.....	85	89					43.4	+ 2.4	80	2	55	13	3	32	62	62	56	71	1.37	+ 0.8	15	9,515	se.	51	n.	24	8	10,13	5.8	3.3		
Lincoln.....	1,189	75	84	28.66	29.96	— .06	38.9	+ 1.0	79	2	50	8	3	28	67	32	24	65	0.97	+ 0.4	5	9,515	se.	51	n.	24	8	10,13	5.8	3.3		
Omaha.....	1,105	115	121	28.76	29.97	— .07	38.2	+ 2.7	74	2	48	6	3	28	62	32	26	66	1.32	+ 0.2	9	8,049	n.	46	n.	2	11	10,15	6.5	4.8		
Sioux City.....	1,135	96	164	28.72	29.97	— .09	35.0	+ 3.4	67	9	45	2	3	25	55	55	20	67	0.50	+ 0.7	6	11,257	nw.	68	n.	24	8	10,13	7.2	1.4		
Pierre.....	1,572	43	50	28.26	29.97	— .08	32.6	+ 3.2	64	23	44	0	3	22	36	27	20	67	0.33	+ 0.5	5	8,293	e.	52	w.	24	5	16	10,13	6.3	2.6	
Huron.....	1,306	56	67	28.54	29.98	— .08	29.9	+ 2.3	65	23	40	7	3	20	45	26	21	75	0.24	+ 0.6	10	11,124	nw.	49	n.	20	5	16	12,14	6.6	0.8	
Yankton.....	1,233	42	49	28.63	29.98	— .07	34.2	+ 4.2	67	9	46	0	3	23	60	55	20	75	0.92	+ 0.2	4	7,028	e.	45	s.	23	11	14	6,4	3.8		
Northern Slope.							30.2	+ 1.6										71	1.09	+ 0.3					5.6							
Havre.....	2,505	11	44	27.25	30.00	— .00	16.5	+ 12.5	48	5	26	— 18	26	7	38	15	13	88	0.88	+ 0.3	9	7,052	ne.	34	n.	20	8	14	7,4	8.6		
Miles City.....	2,371	42	50	27.34	29.93	— .09	23.3	+ 8.1	54	8	33	— 12	3	14	36	20	19	91	2.46	+ 1.9	8	5,101	n.	40	n.	20	8	15	8,521	2.3		
Helena.....	4,110	88	94	25.63	29.92	— .08	28.1	+ 4.5	54	7	37	— 9	25	19	36	24	22	65	1.37	+ 0.8	15	4,880	sw.	30	w.	15	6	10	5,213	3.3		
Kalispell.....	2,965	45	51	26.75	29.87	— .12	29.4	+ 5.2	52	7	38	— 5	25	21	31	26	22	75	1.34	+ 0.8	21	4,259	w.	26	n.	15	12	10	5,12	3.3		
Rapid City.....	3,234	46	50	26.45	29.90	— .11	33.8	+ 2.6	67	8	46	1	26	21	52	28	23	74	0.40	+ 0.7	1	6,109	nw.	52	n.	2	11	9	11,49	T.		
Cheyenne.....	6,088	56	64	23.83	29.97	— .09	35.2	+ 2.4	62	18	48	— 1	26	22	50	27	16	48	0.45	+ 0.2	4	9,816	nw.	50	w.	18	8	10	13,59	4.5		
Yellowstone Park.....	5,372	26	36	24.45	29.86	— .13	33.8	+ 3.8	61	8	47	4	25	20	55	22	22	66	1.57	+ 0.8	3	4,178	sw.	38	s.	2	17	13	7,125	6.3		
North Platte.....	2,321	43	52	26.96	29.93	— .07	40.4	+ 5.3	77	18	57	0	3	24	61	32	25	64	0.52	+ 0.2	4	7,986	nw.	48	n.	24	7	18	6,5	0.6		
Middle Slope.							47.1	+ 5.0										54	1.06	+ 2					6.4							
Denver.....	5,291	79	151	24.55	29.83	— .12	42.5	+ 3.7	71	8	56	4	26	29	45	34	27	59	0.94	+ 0.0	9	7,360	s.	53	w.	9	7	18	6,5	10.3		
Pueblo.....	4,685	80	86	25.13	29.83	— .09	44.4	+ 4.0	78	2	60	12	26	28	32	33	19	45	0.52	+ 0.4	6	6,614	nw.	52	w.	9	10	17	4,7	1.0		
Concordia.....	1,398	42	47	28.45	29.95	— .06	43.4	+ 4.4	61	8	56	9	3	31	53	36	28	63	0.36	+ 1.2	1	4,701	s.	36	s.	9	11	15	5,49	0.2		
Dodge.....	2,509	44	54	27.27	29.89	— .08	47.2	+ 5.6	86	2	63	6	3	32	66	23	20	49	0.04	+ 0.9	1	9,690	se.	49	n.	23	11	6	14	5.7		
Wichita.....	1,358	78	86	28.48	29.93	— .06	48.9	+ 5.4	80	20	62	12	3	36	57	41	33	60	4.23	+ 2.4	5	8,402	n.	50	n.	2	11	18	2,43	3.3		
Oklahoma.....	1,214	79	86	28.59	29.87	— .11	56.0	+ 6.9	88	2	70	19	3	32	34	50	44	32	48	0.26	+ 1.8	3	11	8,330	s.	59	n.	3	12	16	3,44	3.3
Southern Slope.							57.4	+ 8.0										38	T.							3.5						
Abilene.....	1,738	45	54	28.09	29.88	— .08	63.0	+ 8.9	92	30	77	26	4	49	40	48	36	66	0.00	+ 1.2	0	9,142	s.									

TABLE II.—*Climatological record of voluntary and other cooperating observers, March, 1904.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Alabama.</i>																	
Anniston ^c	84	29	55.3	3.54	<i>Ins.</i>	Ins.	Arizona—Cont'd.	°	°	<i>Ins.</i>	<i>Ins.</i>	California—Cont'd.	°	°	<i>Ins.</i>	<i>Ins.</i>	
Ashville.....	84	27	55.6	4.03			Prescott.....	72	10	46.7	1.00	Claremont.....	80	34	55.4	5.79	
Benton.....							St. Johns.....	76	15	47.4	0.10	Cloverdale.....	73	30	49.5	16.57	
Bermuda.....							San Carlos.....	88	27	58.9	0.16	Colusa.....	68	34	51.2	5.67	
Boligee.....	87	30	61.0	2.71			Sentinel* ¹	90	48	61.6	0.10	Corning* ⁶	70	38	53.2	7.30	
Bridgeport.....							Signal.....					Coronado.....					2.21
Burkeville.....							Superstition.....					Crescent City.....	64	33	45.6	29.84	
Calera.....							Taylor.....	78	12	48.2	<i>T.</i>	Cuyamaca.....	68	20	41.6	12.75	1.0
Camphill.....	87	29	58.4	2.05			Thatcher.....	85	27	57.6	<i>T.</i>	Delanu* ¹	74	35	54.9	1.30	
Citronelle.....	82	32	64.2	3.17			Tonto.....	83	36	59.7	0.42	Delta* ¹	68	26	44.7	23.93	6.0
Clanton.....	89	30	59.4	1.05			Tuba.....	74	21	47.2 ^a	0.16	Dobbins.....	72	34	52.2	13.65	
Cordova.....							Tucson.....	88	30	60.2	0.06	Drytown.....	72	34	51.5	7.70	
Daphne.....	84	34	64.3	2.09			Vail ^b	84	40	65.0	0.06	Dunnigan* ¹	70	38	53.0	8.87	
Decatur.....	84	26	54.0	7.60			Walnutgrove.....					Durham.....	69	30	51.0	10.32	
Demopolis.....							Wilcox.....	82	23	53.0	0.21	El Cajon.....	91	32	57.2	2.66	
Dothan.....	89	35	63.9	3.61			Williams.....	76	19	44.2	0.90	Electra.....					9.50
Eufaula.....	83	34	59.4	2.73			Yarnell.....					Elmdale.....	80	32	54.4	2.17	
Evergreen.....	84	32	61.4	4.33			Young.....	81	19	50.4	0.51	Elsinore.....	94	27	55.8	4.14	
Flointon.....	87 ^c	33	63.2 ^d	3.95			Arkansas—Cont'd.					Escondido.....	83	26	52.2	3.79	
Florence a.....							Alco.....	82	20	52.5	5.85	Folsom City.....					7.70
Florence b.....	83	29	55.9	5.95			Amity.....	90	21	58.0	5.03	Fort Bragg.....					12.41
Fort Deposit.....	85	30	60.6	1.88			Arkadelphia.....	84	26	58.6	5.47	Fort Ross.....	63	34	49.8	26.27	
Gadsden.....	86	28	55.8	4.06			Arkansas City.....					Foster.....					5.98
Goodwater.....	85	28	57.8	1.82			Batesville.....	83	21	52.8	4.10	Fouts Springs.....					5.00
Greensboro.....	85	29	60.7	2.82			Beebranch.....					Georgetown.....	65	28	44.6	21.17	18.0
Greenville.....							Blanchard.....	85	25	60.5	6.93	Gilroy (near).....	75	31	53.2	4.14	
Highland Home.....	86	30	61.4	4.20			Brinkley.....	81	15	53.1	6.35	Greenville.....	68	11	40.2	15.53	41.5
Lefoatchie.....							Canden a.....					Hanford.....	95	23	47.9	2.05	
Livingston.....	85	30	57.8	2.92			Camden b.....	87	30	60.2	6.32	Healdsburg.....	75	30	51.0	19.88	
Lock No. 4.....	84	29	56.6	2.42			Coway.....	85	25	56.0	4.78	Hollister.....	76	30	53.4	3.70	
Madison Station.....	85	25	56.8	8.59			Corning.....	82	22	50.8	6.08	Idyllwild.....	75	16	45.0	4.59	
Maplegrove.....	85	27	53.4	4.08			Dallas.....	84	22	58.2	4.14	Imperial.....	96	36	68.8	<i>T.</i>	
Mari.......	86	29	60.3	2.35			Dardanelle.....					Iowa Hill ^{*1}	62	33	44.8	16.97	12.8
Milstead.....							Des Arc.....	85	28	57.0	7.58	Irvine.....					3.15
Newburg.....	88	28	61.0	2.69			Dodd City.....	86	22	52.4	4.80	Isabella.....	80	30	55.2	2.67	
Notasulga.....							Dutton.....	80	13	50.2	5.97	Jamestown.....	73	28	50.2	8.18	
Oneonta.....	80	23	53.5	6.70			Elon.....	86 ^e	25	59.8 ^f	5.48	Jolon.....					4.32
Opeilika.....	86	30	58.3	3.01			Eureka Springs.....	85	17	52.1	5.14	Kennedy Gold Mine.....					9.22
Ozark.....	87	32	62.3	5.19			Fayetteville.....	85	15	51.8	5.20	Kentfield.....					22.37
Prattville.....	86	30	59.8	1.55			Forrest City.....	80	26	55.0		Kernville.....					2.60
Pushimataha.....	83	29	60.6	3.16			Fulton.....					King City.....	76	30	54.6	2.44	
Riverton.....	81	24	55.4	7.09			Hardy.....	85	18	52.3	5.86	Lakeport (near).....	60	33	47.0	7.74	T.
Scottsboro.....	81	27	53.7	5.22			Heber.....	85	18	55.1	6.81	Lamesa.....	54	13	33.8	31.66	115.7
Seftna.....	86	38	63.0	1.74			Hope.....	86	28	60.7	4.51	Laporte.....	72	30	49.0	2.90	
Spring Hill.....	86	36	63.8				Jonesboro.....	89	21	56.1	4.56	Legrande.....	80	32	55.6	2.75	
Talladega.....	86	28	58.2	1.81			Lacrosse.....	85	19	50.2		Lemoncove.....	55	22	35.7	8.06	9.8
Tallassee.....							Lake Village.....	85	32	59.1	6.53	Lick Observatory.....	73	31	53.0	3.71	
Thomasville.....	85	29	60.2	2.72			Lonoke.....	85	26	56.2	6.18	Livermore.....					
Tuscaloosa.....	87	29	57.9	3.71			Lutherville.....	84	26	52.8	5.85	Lodi.....	76	32	58.6	4.85	
Tuscumbia.....	82	26	53.9	7.42			Malvern.....	86	25	56.0	5.30	Los Gatos.....	73	35	52.2	8.54	
Tuskegee.....	86	31	61.6	2.75			Pinebluff.....	86	29	56.6	7.30	Magnolia.....	68	26	45.2	30.13	7.0
Union Springs.....	85	31	60.8	3.14			Pocahontas.....	83	18	51.4	5.20	Mammoth.....	90	40	65.8	0.00	
Unioontown.....	87	26	60.6	2.25			Pond.....	85	12	52.6	1.88	Marysville.....	70	37	52.5	7.77	
Valleyhead.....	82	24	52.5	6.09			Prescott.....	85	29	57.7	7.28	Merced.....	76	38	56.9	2.34	
Verbena.....							Bishop.....	85	26	58.6	7.15	Mercury.....					21.59
Wetumpka.....	88	30	61.6	2.18			Russellville.....	83 ^g	22	51.8 ^h	5.21	Mills College.....					9.19
<i>Alaska.</i>							Silversprings.....	84	14	53.1	3.58	Milo.....					4.51
<i>Arizona.</i>							Spierville.....	87	27	56.8	4.18	Milton (near).....	71	36	52.8	5.30	
Agua Caliente.....	92	36	66.6	0.00			Stuttgart.....	83	24	57.2	7.92	Modesto* ¹	75	40	54.0	2.15	
Allia Ranch.....							Texarkana.....	87	26	63.1	4.88	Mokelumne Hill.....	82	30	55.0	1.20	
Arizona Canal Co's Dam.....	90	38	64.5	0.15			Warren.....	84	26	57.1	7.67	Moutague.....	60	18	39.8	4.43	T.
Aztec.....	96	30	67.8	0.01			Wiggs.....	81	25	56.6	5.01	Montereo [*]	78	28	49.0	5.82	
Benson.....	86	28	58.4	0.25			Witts Springs.....	75	16	49.0	8.47	Mount St. Helena.....	60	33	49.5	3.96	
Bisbee.....	81	34	57.6	<i>T.</i>			Caliente* ¹					Napa.....	63	30	46.8	7.93	
Blue.....	75	12	47.5	0.30			Angiola.....	78	38	59.0	1.75	Needles.....	53	44	63.3	0.00	
Bowie.....	84	30	58.6	0.27			Azusa.....	92	35	56.9	6.19	Nellie.....					12.37
Buckeye.....	92	44	65.8	0.30			Bagdad.....	87	43	63.3	0.00	Nevada City.....	63	27	48.6	18.64	24.0
Casagrande.....	93						Bakersfield.....	80	32	55.0	0.92	Newcastle.....	55	38	52.2	11.61	
Champie Camp.....	105	26	61.3	0.04			Barstow.....	87	40	61.2	0.10	Ormond.....	75	32	54.7	2.33	
Cochise* ¹	81	35	59.0	0.00			Bodie.....	57	12	28.9	4.07	Orlando.....	77	28	51.0	6.36	
Congress.....	82	38	60.1	0.19			Bowman.....					Orleans.....	74	32	49.0	20.49	2.0
Douglas.....	88	27	58.0	<i>T.</i>			Branscomb.....	67	24	43.6	27.85	Oroville (near).....	68	33	52.0	10.86	
Dragoon* ¹	81	35	50.5	0.00			Bishop.....	78	21	47.8	3.39	Palermo.....	70	31	50.6	9.35	
Dudleyville.....	88	29	60.7	0.13			Boca* ¹	52	2	32.4	3.86	Pilot Creek.....	90	37	55.6	5.59	71.5
Duncat.....	83	18	53.2	0.25			Bodie.....	57	-12	28.9	4.07	Pine Creek.....	90	37	55.6	5.59	
Fort Apache.....	78	19	48.7	0.65			Bogart.....	78	24	43.6	27.85	Pino Grande.....	58	23	39.6	25.38	74.2
Fort Defiance.....	61	5	37.0	0.75			Point Lobos.....					Placerville.....	68	30	48.2	13.48	
Fort Grant.....																	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipa-		Stations.	Temperature. (Fahrenheit.)			Precipa-		Stations.	Temperature. (Fahrenheit.)			Precipa-		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
	In.	In.	In.	In.	In.		Ins.	Ins.	Ins.	Ins.	Ins.		Ins.	Ins.	Ins.	Ins.	Ins.	
California—Cont'd.	°	°	°	2.94		Colorado—Cont'd.	°	°	°	1.92	3.0	Florida—Cont'd.	°	°	°	In.	In.	
Salinas	76	31	54.1	0.25		Parachute	70	15	42.6	1.98	10.2	Sumner	90	35	64.4	0.59		
Salton	98	40	66.0	5.84		Platte Canon	81	15	45.1	0.77	T.	Switzerland	86	40	65.2	2.71		
San Bernardino	91	33	56.2	2.73		Rockyford	81	15	45.1	6.65	81.0	Tallahassee	83	30	65.2	1.55		
San Jose	75	37	56.1	2.73		Saguache	65	5	34.8	0.50	2.0	Tarpon Springs	89	46	68.0	1.52		
San Leandro	70	32	51.9	8.33		Salida	66	9	39.6	1.51	7.8	Titusville	89	47	69.2	1.12		
San Mateo* ¹	68	40	54.3	7.32		San Luis	65 ^a	3	37.1	0.24	3.0	Wausau	89	30	62.4	3.70		
San Miguel* ¹	79	34	53.6	2.55		Santa Clara	71	4	39.2	1.54	18.5	WeWAHITCHKA	87	39	64.8	3.04		
San Miguel Island	79	34	53.6	3.29		Silt	66	12	39.6	1.80	6.5	Georgia						
San Rafael	69	35	52.0	15.99		Sugar City				0.25	T.	Abbeville	75	27	53.8	1.66		
Santa Barbara	92	36	56.0	4.40		Sugar Loaf	73	0	41.2	0.70	3.0	Aldairville	75	27	53.8	4.68		
Santa Clara College	75	32	53.5	3.92		Westcliffe	63	0	38.0	1.44	19.5	Albany	89 ^d	34	60.4	2.53		
Santa Cruz	75	31	52.0	8.35		Whitepine	46	- 8	23.8	3.68	43.4	Americus	85	32	59.6	0.83		
Santa Maria	78	36	56.2	3.06		Wray	78	2	42.0	0.04	0.5	Athens	79	29	52.2	3.10		
Santa Monica	90	36	55.6	3.95			Wagon Wheel	60	- 12	30.0	0.67	8.0	Blakely	88 ^e	36	64.8 ^d	2.00	
Sausalito	69	25	50.0	12.93			Wallet				Bowersville	78	28	54.0	3.68			
Sausalito				10.82							Butler							
Shasta	72	27	47.0	16.37	T.						Cannan	80 ^e	30 ^f	55.2 ^f	2.98			
Sierra Madre	82	37	55.4	5.96							Canton							
Sisson	61	12	36.7	15.90	88.0						Carlton							
Snedden				2.80							Clayton	74	22	50.0	2.39			
Sonoma				10.50							Columbus	88 ^b	34 ^c	59.6 ^b	1.93			
Sonora	66	34	48.7	8.63	4.0						Dorcle	88	35	61.2	2.39			
Stirling City	56	17	39.6	25.22	38.0						Covington	84	28	56.8	2.51			
Stockton	66	34	51.6	3.67							Diamond	81	12	49.9	6.21			
Storey	75	32	50.9	2.47							Dublin	87	33	62.0	1.87			
Summerdale	65	13	38.4	17.09	54.0						Eatonton	82	39	57.6	2.92			
Summit	47	22	31.0	21.30	148.0						Elberton	79	29	55.2	3.38			
Susanville	57	12	37.7	5.91	22.0						Fitzgerald	90	35	62.0	1.05			
Tehama* ¹	67	39	53.4	7.19							Fleming	90	34	62.8	1.62			
Tejon Ranch	76	37	54.0	2.73							Gainesville	73	29	50.3				
Truckee* ¹	48	8	33.3	11.77	50.0						Gillsville	78	26	53.6	4.42			
Tulare c	78	32	55.9	2.30							Greenbush	78	27	53.8	6.25			
Tustin				3.10							Greensboro	73	26	54.8	2.92			
Ukiah	73	28	48.4	13.82							Grieff	84	27	57.2	2.07			
Upland	82	32	58.8	6.18							Harrison	82	32	60.4	2.25			
Upperlake	70	24	44.6	10.14	0.5						Hawkinsville	89 ^b			1.28			
Upper Mattole				35.91							Jesup	92	35	63.5	1.42			
Vacaville* ¹	74	35	52.0	11.73							Lost Mountain	78	26	54.2	4.52			
Visalia	77	31	54.6	1.89							Louisville	81	33	59.2	3.13			
Volcano	98	35	63.8	0.00							Lumpkin	87	30	62.1	1.46			
Wasco	78	31	55.4	0.74							Marshallville	81	32	60.6	2.02			
Westpoint				13.49	10.0						Mauzy	89	36	64.8	1.43			
Wheatland	70	35	51.8	7.22							Milledgeville	84	32	57.5	1.25			
Willits	76	30	45.2	20.36	1.5						Millen	87	32	60.9	4.17			
Willow	69	30	50.0	7.61							Monticello	85	30	56.8	2.35			
Yosemite				12.53	48.8						Morgan	85	35	61.0	3.82			
Zenia	64	22	39.4	31.88	74.2						Newnan	83	27	55.0	2.12			
Colorado											Oakdale							
Alford	63	- 8	36.2	0.30	4.0						Oakfield							
Antelope Springs	57	- 17	29.2	1.97	23.7						Point Peter	81	25	53.2	2.48			
Ashcroft	51	- 5	26.1	3.99	50.0						Poulam	87	34	61.4	2.41			
Blaine	80	3	45.1	0.22	2.0						Putnam	85 ^a	33	58.3 ^a	1.92			
Boulder	69	9	43.6	2.37	16.0						Quitman	87	39	64.4	1.73			
Breckenridge	52	- 9	24.8	4.20	51.0						Ramsey	76	24	53.2	5.56			
Buenavista				0.99	11.0						Resaca				5.23			
Burlington	76	0	42.4	0.48	1.5						Rome	80	28	54.3	4.69			
Canyon	75	13	46.0	0.70	5.5						St. Marys	87	38	63.3	1.54			
Castlerock	70	1	40.3	1.07	2.5						Statesboro	90	34	62.6	4.30			
Cheeseman	66	8	40.6	0.59	2.1						Talbotton	85	30	58.4	3.18			
Cheyenne Wells	76	- 1	42.6	0.10	1.5						Tallapoosa	84 ^a	22	52.7	2.42			
Clearview	53	- 6	30.8	1.74	27.0						Thomasville	87	38	64.4	1.66			
Collbran	69	13	40.5	1.70	3.8						Toccoa	78	27	51.4	4.80			
Colorado Springs	69	6	41.0	0.55	3.2						Valona	84	37	62.2	1.58			
Conejos	61	5	34.7	0.16	T.						Washington	80	30	54.6	2.88			
Cripple Creek				1.01	5.7						Waverly	89	37	63.0	1.76			
Durango	67	5	41.0	1.77	11.0						Waycross	88	40	63.8	1.49			
Fort Collins	70	10	39.8	0.51	2.0						Waynesboro	83	32	58.4	1.41			
Fort Morgan	71	5	41.8	0.20	T.						Westpoint	85	31	57.8	2.86			
Fowler				0.59	T.						Woodbury	84 ^b	29	56.9 ^b	2.49			
Fox	76	0	42.2	0.73	3.0						Idaho							
Fruits	72	11	43.4	0.94	2.5						Albion	61	10	37.2	2.20	10.0		
Garnett	68	1	33.2	0.40							American Falls	59	13	36.2	4.46			
Gilman				3.70	37.0						Blackfoot	58	14	34.1	4.0			
Gleneyre	71	5	40.2	0.83	3.8						Blue Lakes	67	24	41.7	3.81			
Glenwood	68	7	38.6	1.90	4.0						Burnside	42	- 13	25.5	2.40	14.0		
Greeley	73	7	42.2	0.38	1.5						Cambbridge	51	18	35.5	6.54			
Grover				0.20	2.5						Chesterfield	53	4	31.0	4.13	16.0		
Gunnison	62	1	34.0	0.94	10.9						Forney	61	- 5	32.9	4.34	36.0		
Halls Gulch	38	- 4	18.2	3.01	38.5						Garnet	70	25	45.1	1.61			
Hamps	72																	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipitation.		Stations.	Temperature. (Fahrenheit.)			Precipitation.		Stations.	Temperature. (Fahrenheit.)			Precipitation.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Idaho—Cont'd.</i>						<i>Indiana—Cont'd.</i>						<i>Iowa—Cont'd.</i>					
Porthill	49	5	32.2	2.83	19.0	Bloomington	74	21	39.8	9.86	T.	Clearlake	60	—2	31.8	1.20	2.0
Priest River	50	3	32.2	4.76	19.5	Bluffton	70	17	37.9	7.95	4.1	Clinton	60	11	36.2	4.01	11.0
Riddle	56	9	30.8	3.61	17.5	Butlerville	75	17	43.2	9.20	0.7	College Springs	70	8	37.8	2.16	6.5
St. Maries	51	8	35.2	5.87	26.5	Cambridge City	70	16	38.5	8.35	0.8	Columbus Junction	66	—3	36.0	2.68	5.0
Soldier	46	—12	23.2	6.05	48.5	Columbus	75	17	42.1	8.67	0.5	Corning	68	1	36.4	2.91	5.5
Vernon	47	—1	28.0	4.22	33.5	Countryside	75	15	42.0	8.03	1.8	Corydon	71	3	35.3	3.24	3.0
Weston	60	10	34.6	4.28	13.5	Crawfordsville	79	11	40.7	8.61	.....	Cresco	52	0	27.0	.....	.....
<i>Illinois.</i>						Delphi	70	19	36.6	7.46	6.0	Cumberland					
Albion	79	16	44.6	12.06	T.	Elkhart	60	14	34.6	4.22	9.5	Decorah	57	2	31.6	2.22	4.5
Aledo	63	12	36.4	2.78	8.0	Farmersburg	75	18	42.4	8.90	.....	Deware	55	6	32.0	2.82	10.0
Alexander	73	19	41.0	4.51	1.5	Farmland	69	19	40.0	10.02	4.8	Denison	68	4	35.0	.....	.....
Antioch	57	10	31.6	5.20	23.0	Fort Wayne	71	16	37.2	7.35	4.8	Desoto	66	7	36.8	1.64	2.0
Ashton	63	13	34.5	4.03	13.3	Franklin #1	73	23	42.2	8.09	0.5	Dows	59	1	32.6	1.55	.....
Astoria	68	16	38.6	4.84	8.5	Greencastle	74	17	40.4	8.80	3.1	Earlham	63	5	34.3	1.19	3.0
Aurora	66	12	35.3	5.02	8.3	Greenfield	73	20	39.7	10.05	T.	Elkader	57	6	33.2	2.75	6.5
Benton	79	20	46.8	8.41	.....	Greensburg	75	15	42.0	8.87	1.5	Estherville	59	—2	30.0	1.98	.....
Bloomington	72	15	39.5	5.28	4.5	Hammond	62	12	36.0	.....	.....	Fayette	58	2	31.6	3.64	6.8
Bushnell	67	15	39.1	4.02	6.5	Hector	70	18	37.4	9.70	2.0	Forest City	59	—1	31.3	1.23	1.0
Cambridge	64	14	35.5	3.65	9.2	Holland	78	20	46.8	10.41	T.	Fort Dodge	61	3	34.2	1.08	1.5
Carlinville	76	16	42.2	8.60	1.0	Huntington	71	17	37.4	7.66	5.5	Fort Madison					3.73
Carrollton	74 ^a	17 ^a	41.84	5.77	T.	Jeffersonville	77	22	46.4	7.01	T.	Galva ^f	60	0	30.8	.....	.....
Charleston	75	18	41.3	9.42	1.1	Kokomo	71	19	38.6	5.79	4.5	Gilman					1.74
Chester	79	18	45.4	9.72	.....	Lafayette	73	19	37.6	7.25	3.2	Gilwood	71	5	38.6	0.75	4.0
Cisne	79	18	43.0	7.80	.....	Laporte	70	15	37.0	4.70	9.0	Grand Meadow	50	3	32.2	3.01	5.0
Coatsburg	74	14	39.6	3.77	5.0	Logansport	72	18	37.4	4.50	0.5	Greenfield	68	5	35.6	1.96	3.2
Cobden	78	21	47.8	6.75	.....	Madison	80	18	45.6	9.01	0.5	Grinnell	58	7	34.8	2.80	4.3
Danville	76	19	40.2	7.67	3.8	Marengo	78	19	45.6	8.17	0.3	Grundy Center	60	5	30.9	2.24	4.5
Decatur	73	18	40.5	7.29	2.2	Marike	70	15	38.2	6.60	3.0	Guthrie Center	77	5	38.6	1.54	.....
Dixon	74	—	43.4	3.07	8.0	Mauzy	71	19	39.8	8.41	2.5	Hampton	60	1	33.1	2.00	4.5
Effingham	74	20	43.4	7.92	1.0	Mores Hill	75	15	42.3	8.50	1.5	Harlan	68	4	35.8	1.38	3.0
Equality	77	21	47.1	7.80	.....	Mount Vernon	76	25	44.8	8.72	3.0	Hopeville	68	8	36.6	2.74	3.0
Fandon	67	15	39.2	4.05	2.9	Northfield	70	16	38.6	9.25	3.0	Humboldt	60	3	34.2	1.19	.....
Flora	78	18	43.0	9.50	0.2	Paoli	78	16	44.1	10.10	2.0	Ida Grove	62	3	33.8	0.50	.....
Friendgrove	75	19	44.4	12.63	T.	Princeton	78	20	45.0	8.06	T.	Independence					2.51
Galva	65	12	36.1	3.66	10.5	Rensselaer	68	17	37.4	5.91	7.0	Indianola	63	12	36.3	2.55	6.1
Grafton	74	—	43.0	6.17	0.5	Richmond	71	15	41.2	9.03	0.3	Inwood	59	1	32.3	0.76	2.0
Greenville	77	18	43.0	11.43	0.4	Rockville	75	18	40.8	8.51	1.0	Iowa City	62	10	35.2	2.73	8.0
Griggsville	75	17	42.5	5.60	T.	Rome	80	17	44.0	7.30	T.	Iowa Falls	59	1	32.4	2.28	7.0
Hallway	76	21	46.4	5.97	.....	Salem	79	16	44.8	10.19	1.0	Jefferson	60	0	33.8	1.93	3.0
Havana	70	17	39.6	4.32	4.0	Scottsburg	77	20	46.0	9.41	0.1	Keosauqua	70	11	26.8	3.59	5.5
Henry	70	12	38.4	4.28	13.3	Seymour	77	22	44.5	9.25	1.0	Knoxville	70	8	37.4	2.68	3.8
Hillsboro	76	15	42.3	6.53	1.0	Shelbyville	72	18	42.4	8.02	T.	Lacona					3.37
Hoopston	76	—	43.0	7.36	8.5	South Bend	60	11	32.5	5.51	15.5	Larrabee	61	—1	33.4	1.18	0.4
Joliet	67	16	36.2	4.97	11.1	Syracuse	67	15	35.8	6.57	8.5	Leclaire					2.99
Kishwaukee	57	11	33.2	4.43	13.0	Terre Haute	74	23	45.4	8.94	2.0	Lemars	63	0	34.2	1.40	7.0
Knoxville	65	11	35.9	3.58	9.5	Topeka	65	15	35.7	3.22	T.	Lenox	67	6	36.6	2.49	8.0
Lagrange	58	14	34.6	5.30	15.0	Valparaiso	67	11	37.0	4.98	.....	Leon	63	8	36.6	3.58	5.5
Laharpe	65	15	37.9	5.17	7.5	Weedersburg ^c	74	21	42.6	.....	Logan	69	5	37.4	1.29	3.0	
Lanark	61	9	34.2	2.68	5.5	Vevay	78	21	46.6	8.35	0.5	Maple Valley					1.31
La Salle	56	—	43.0	2.67	8.0	Vincennes	78	19	43.1	10.74	0.2	Maquoketa	58	10	36.3	2.36	28.0
Loami	60	—	46.5	2.55	T.	Washington	80	19	42.0	13.73	1.0	Marshalltown	61	5	34.0	1.75	4.0
McLansboro	78	20	45.4	8.89	T.	Winona	70	16	37.8	3.24	T.	Mason City	56	2	32.8	1.56	2.1
Martinsville	74	17	41.6	7.97	0.7	Worthington	77	18	45.5	10.50	T.	Monticello	55	3	35.2	1.44	10.0
Martinuton	76	15	38.0	4.08	0.5	<i>Indiana Territory.</i>						Mountayr	72	7	38.0	3.20	6.8
Mascoutah	78	20	41.6	7.78	.....	Arden	93	20	57.0	0.49	.....	Mount Pleasant	68	10	37.4	3.57	4.3
Mattoon	76	22	46.6	7.88	2.1	Chickasha	93	11	59.4	0.37	.....	Mount Vernon	61	7	34.4	2.34	11.6
Minonk	70	14	37.2	3.95	6.5	Claremore	90	16	54.6	0.92	.....	New Hampton	55	1	30.4	2.18	4.0
Monmouth	64	12	36.6	3.62	9.6	Coalgate	90	21	52.0	4.60	.....	Newton	58	5	34.6	1.95	4.0
Morrison	62	12	35.7	3.86	11.3	Durant	92	23	57.5	2.41	.....	Northwood	56	0	32.0	1.45	2.0
Morrisonville	74	18	41.7	8.67	1.0	Fairland	87	18	53.0	1.73	.....	Odebolt	65	2	34.8	1.06	1.8
Mount Carmel	72	18	40.4	5.53	3.5	Goodwater	89	21	59.6	3.35	.....	Ogden	72	1	33.1	1.61	.....
Mount Pulaski	72	18	44.2	10.01	T.	Hartshore	85 ^d	25	55.6	4.37	.....	Olin	58	9	34.9	3.22	8.2
Mount Vernon	78	19	44.2	7.48	T.	Headton	99	14	62.0	0.03	.....	Onawa	66	4	37.1	0.87	2.0
New Burnside	77	21	49.0	7.48	T.	Holdenville	91	20	58.0	1.14	.....	Osage	51	1	31.6	1.82	3.3
Olney	77	18	43.8	10.60	1.1	Marlow	91	21	57.4	T.	Osceola	70	10	38.6	2.63	7.0	
Ottawa	70	17	38.6	4.87	9.0	Tulsa	85	19	52.1	1.32	.....	Oskaloosa	61	7			

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.				Temperature. (Fahrenheit.)			Precipita- tion.			Stations.				Temperature. (Fahrenheit.)			Precipita- tion.			Stations.				Temperature. (Fahrenheit.)			Precipita- tion.		
				Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			
Iowa—Cont'd.	°	°	°	Ins.	Ins.	6.0			Kentucky—Cont'd.	°	°	°	Ins.	Ins.		Maine—Cont'd.	°	°	°	Ins.	Ins.		Winslow.	57	-12	29.4	3.41	Ins.	8.0
Wilton Junction	61	11	36.3	2.77	2.77		Greensburg	79	24	49.5	5.52				Annapolis	66	20	41.8	3.79			Bachmans Valley	66	16	37.2	3.76	7.5		
Winterset	68	7	37.1	1.99	2.0		Hightbridge	80	19	46.9	4.56	0.5	Boettcherille	87	14	42.6	2.03	2.0		Boonsboro	73	19	40.8		1.3				
Woodburn				2.24	6.5		Hopkinsville	79	21	49.2	6.42		Cambridge	75	13	42.4	4.24			Charlotte Hall	74	20	43.3	2.54	T				
Kansas.							Irvington	78	23	48.2	6.29		Chase	67	18	40.6	3.16	1.5		Cheltenham	71	19	41.3	3.63					
Achilles	83	9	42.8	1.35	0.5		Leitchfield	80	19	46.2	6.85		Chestertown	68	18	41.0	3.76	3.0		Chewsville	72	14	39.5	1.61	1.0				
Alton	86	6	46.6	1.14	1.0		Loretto	80	16	47.6	5.71		Coleman	71	18	41.2	3.68	3.0		Collegepark	72	18	40.5	2.32					
Anthony							Manchester	78	17	50.2	4.93	1.0	Colora.							Cumberland					3.60	7.0			
Atchison	74	13	42.5	2.40	4.5		Marrowbone	51	20	50.2	6.25		Darlington	66	15	40.28	3.62	3.0		Deerpark	78	6	38.2						
Baker	72	10	39.0	2.75	6.0		Mayfield	88	23	50.2	6.48		Deuton							Easton	72	18	42.6	3.41					
Beloit	82	8	44.0	0.76			Maysville	80	20	46.8	7.91	0.9	Fallston	64	15	38.8	3.19	5.0		Frederick	73	19	42.4	2.93	0.8				
Burlington	81	15	48.7	1.75	T.		Mount Sterling	75	21	50.4	5.84		Grantsville	80	10	36.6	2.34	3.5		Greatfalls	76	15	41.8	2.87					
Chapman	85	12	47.1	1.12	2.4		Owensboro	79	23	45.8	8.99	1.0	Greenspring Furnace	75	16	40.4	2.34	1.6		Hancock	79	15	41.4	1.92	1.5				
Clay Center	83	10	44.1	0.97	T.		Paducah	78	16	46.6	7.54	0.8	Harney	88	20	42.2	2.84	3.2		Jewell	70	18	42.0	3.02	0.5				
Coffeyville	91	17	53.6	1.57			Paducah a.						Johns Hopkins Hospital	70	18	42.0	3.05	1.2		McDonogh	70	15	39.6						
Colby	86	2	43.6	0.34	T.		Paducah b.	81	24	49.1	6.99		Mount St. Marys College	68	15	40.3	3.58	3.0		Pocono City	73	20	44.6	3.26	T.				
Columbus	84	15	50.2	2.22			Paducah c.						Prince Fredericktown	75	19	42.2	3.39	1.0		Princess Anne	74	19	43.6	2.98	T.				
Cunningham	90	11	50.4	0.85			Abbeville	86	35	66.5	5.43		Sharpsburg	74	19	41.4	2.01	T.		Solomons	72	25	42.6	2.57	0.8				
Dresden	83	2	44.8	0.45	0.5		Alexandria	89	32	64.3	6.56		Sudlersville	72	18	41.6	3.58	0.5		Takoma Park	72	16	40.0	3.47					
Eldorado	80	13	49.6	3.30	T.		Amitie	86	33	64.9	3.84		Van Bibber	64	18	42.2	3.14			Westernport	81	17	41.2	1.13	2.0				
Ellinwood	88	9	48.0	0.09			Baton Rouge	87	34	65.0	5.24		Woodstock	73	19	42.2	3.23	1.2		Amherst	65	-3	30.8	4.48	11.0				
Emporia	82	13	48.1	4.01	T.		Burnside	85	34	64.7	4.24		Bedford	57	-3	32.0	1.81	3.0		Bedford	66	3	32.3	3.52	11.9				
Englewood	88	16	52.5	0.01	T.		Calhoun	85	24	60.4	4.35		Bluehill (summit)	66	3	33.4	2.85			Cambridge	69	3	34.3	2.89					
Enterprise	85	11	46.8	1.29	3.0		Cameron	79	37	65.4	3.01		Chestnuthill	71	2	34.4	2.72	4.0		Clinton	85	32	64.0	3.22					
Eureka	86	0	45.0	0.28	T.		Caspiana	89	30	64.2	4.57		East Templeton	54	2	30.8	3.29	11.0		Chestnuthill	88	31	63.4	4.11					
Eureka Ranch	86	12	48.8	0.96			Cheneyville	85	34	64.7	3.22		Fall River	59	8	34.3	2.60	7.0		Chester	85	30	63.0	3.05					
Fall River	85	12	48.8	0.96			Covington	85	35	64.7	2.36		Fitchburg a*	56	-5	31.1	3.00	10.2		Chestnut Hill	71	2	34.4	2.72	4.0				
Farnsworth	84	2	46.0	1.06	T.		Donaldsonville	87	35	66.0	4.39		Fitchburg b	67	-4	31.2	2.89	10.0		Clinton	85	32	64.0	3.05					
Fort Leavenworth	76	13	44.6	4.24	3.0		Emilie	84	36	64.4	4.44		Framingham	68	0	34.2	2.69	3.2		Chestnut Hill	71	2	34.4	2.72	4.0				
Fort Scott	82	11	49.6	1.69	T.		Farmerville	85 ¹	30 ¹	64.2 ¹	4.78		Groton	55	-8	30.6	3.05	16.0		Chestnut Hill	88	31	63.4	4.37					
Frankfort	79	9	41.8	1.79	5.0		Franklin	90	35	66.0	3.96		Gunnis							Amherst	65	-3	30.8	4.48	11.0				
Frankfort	79	9	41.8	1.79	5.0		Grand Coteau	85	34	65.6	4.59		Jefferson	68	-1	31.9	2.63	10.0		Bedford	57	-3	32.0	1.81	3.0				
Frederick	85 ¹	20 ¹	50.5 ¹	0.81	T.		Hammond	85	33	64.4	4.11		Leominster	67	0	32.2	2.65			Bluehill (summit)	66	3	32.3	3.52	11.9				
Garden City	89	5	47.7	0.11	T.		Houma	86	36	65.4	6.76		Lowell a	64	0	33.8				Cambridge	69	3	34.3	2.85					
Gove ¹	82	6	43.8	1.00	T.		Jennings	84	35	65.0	2.00		Lowell b	68	-2	33.2				Chestnuthill	71	2	34.4	2.72	4.0				
Grenola	82 ¹	14 ¹	49.0 ¹	1.52			Lafayette	84	34	65.0	4.66		Ludlow Center	60	-3	28.2	3.68	6.0		Chestnuthill	71	2	34.4	2.72	4.0				
Harrison	83	5	41.3	1.16	1.0		Lakeside	84	36	65.8	0.70		Middleboro	63	8	33.8	2.86	5.2		Chestnuthill	69	3	34.3	2.85					
Holton	77	12	41.9	2.18	4.5		Lawrence	85 ¹	37	67.8 ¹	3.63		Monsom	66	4	32.0	3.72	14.0		Chestnuthill	71	2	34.4	2.72	4.0				
Horton	73	11	40.8	2.59			Leesville	88	31	63.4	4.37		New Bedford	60	11	33.8	6.0			Chestnuthill	71	2	34.4	2.72	4.0				
Hutchinson	90	8	48.0	0.33			Liberty Hill	82	30	62.0	4.36		Pittsfield	67	2	36.7	2.67	11.5		Clinton	85	32	63.0	3.05					
Independence	89	16	52.0	1.58			Logansport						Princeton	52	18	34.8	3.56	12.0		Chestnuthill	71	2	34.4	2.72	4.0				
La Crosse	87	3	46.4	0.13	T.		Mansfield	89	29	62.4	3.79		Provincetown	52	18	34.8	1.52	3.0		Chestnuthill	71	2	34.4	2.72	4.0				
Lakin	84	4	46.8	0.27	T.		Melville	89	30	66.0	5.47		Salem	67	3	32.7	7.5			Menzies									
Lawrence	78	14	44.2	3.96	4.0		Minden						Somersett	63	4	34.6	3.53	6.0		Westerly	65	6	34.0	2.47	5.5				
Leavenworth	76	12	49.6	1.59			Monroe						Taunton	65	6	34.0	2.47	5.5		Westerly	65	7	31.2	3.27	9.2				
Leavenworth	79	12	49.6	1.59			New Iberia	83 ¹	35 ¹	65.5 ¹	2.70		Webster	65						Westboro	70	-2	33.6	2.96	10.0				
Linn	87	15	62.2	0.83			Opelousas	85	32	64.4	3.08		Weaton	68	-2	32.4	2.81	10.8		Westboro	70	-2	33.6	2.96	10.0				
Ottawa	81	12	45.0	2.70	0.2		Oxford	88	30	64.6	3.26		Williamstown	60	4	30.0	1.51	10.0		Westboro	68	-2	33.6	2.96	10.0				
Paola	82 ¹	15 ^b	47.5 ^b	2.93	0.8		Plain Dealing	88	27	59.8	3.46		Winchendon							Westboro	70	-2	33.6	2.96	10.0				
Pleasanton	82	17	49.0	1.80			Port Eads	80	45	64.4	2.08		Worcester	66	4	32.9	2.34	11.2		Westboro	68	-2	33.6	2.96	10.0				
Pratt	89	12	50.2	T.			Rayne	85	33	55.2	3.39																		
Republic	82	6	42.7	1.39	0.5		Robeline	90	26	61.9	5.88																		
Rome	84	14	51.5	1.05	T.		Ruston	86	27	62.4	4.67																		
Salina	85	10	46.9	0.27	T.		St. Francisville	89	34	63.8</td																			

MONTHLY WEATHER REVIEW.

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TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.
<i>Michigan—Cont'd.</i>							<i>Minnesota—Cont'd.</i>							<i>Mississippi—Cont'd.</i>						
Charlevoix	49°	-10	26.2	6.0			Faribault	57	-4	29.0	1.60	2.2		Yazoo City	87	29	59.1	5.02		
Charlotte	66°	10°	31.7°	2.15	18.2		Farmington	52	-5	27.8	1.74	5.5		Appleton City	83	14	47.0	4.05		
Chatham	47°	-20	21.6	2.27	21.8		Fergus Falls	46	-13	23.0	1.14	8.5		Arthur	81	12	48.6	2.33		
Cheboygan	49°	2°	24.7°	0.70	6.0		Floodwood	45	-25	20.8	1.62			Bethany	71	13	40.5	3.73	3.0	
Clinton	62°	10	33.8	4.79	13.5		Glenoce	54	-6	27.1	0.35	3.5		Birchtree	72	9	38.9	4.48	4.0	
Coldwater	67°	10	34.0	3.55	15.0		Grand Meadow	56	-1	29.6	2.27			Blue Springs	82	16	49.2	6.73		
Deer Park	45°	-16	20.6	1.49	6.0		Hallock	47	-22	16.0	2.61	13.2		Boonville	79	15	43.8	2.63	0.6	
Dundee	65°	9	33.7	5.45	15.5		Lake Winnibigoshish	41	-24	18.1	2.33	21.4		Brunswick	80	16	40.2	4.12	3.0	
East Tawas	47°	-10	26.1	4.49	5.0		Leech	54	-11	26.2	2.49	20.8		Lynd	58	7	27.8	0.71	0.1	
Eloise	63°	9	33.0				Long Prairie	45	-17	23.2	2.04	11.5		Caruthersville	79	25	52.4	5.65		
Ewen	45°	-25	19.2				Luverne	63	-1	31.1	0.85	1.5		Conception	70	9	39.0	2.79	3.5	
Fennaville	61°	8	32.8	4.87	16.5		Milaca	49	-7	23.8	0.95	3.0		Darksville	80	15	42.4	3.86	1.0	
Fitchburg	62°	8	30.0	5.70	25.0		Milan	54	-9	26.0	0.85	6.0		Dean	87	13	51.9	2.05		
Flint	57°	9	30.0	3.08	8.5		Minneapolis	52	-6	27.9	1.60	3.6		Desoto						
Gaylord	54°	-15	24.0	1.30	10.0		Mouettevdeo	54	-8	28.1	0.79	2.5		Downing					6.22	
Gladwin	54°	-14	27.2	2.70	12.0		Morris	48	-12	24.0	1.27	9.0		Edgell	80	18	46.6	9.68	7.5	
Grand Haven	55°	8	31.4	2.16			Mount Iron	48	-24	18.6	3.72	27.0		Fairport					3.13	3.0
Grand Marais	46°	-15	21.6	1.94	15.0		New London	52	-12	25.7	1.46	5.5		Fayette	80	14	42.1	3.25	0.5	
Grape	69°	13	33.8	3.16	7.8		New Richland	56	-3	32.0	0.88	2.8		Fulton	85	11	46.2	3.23	T.	
Grayling	46°	-20	25.2	1.50	10.0		New Ulm	57	-4	29.7	1.24	3.2		Gano	85	13	48.0	7.60	T.	
Hagar	65°	10	33.8	4.62	11.2		Park Rapids	39	-20	17.0	1.71	16.9		Glasgow	79	17	42.5	2.68	1.5	
Harbor Beach	50°	-1	28.0	1.05	5.0		Pine River	44	-27	19.6	1.95	S.0		Gorin					2.84	3.0
Harrison	49°	5°	27.2	2.67	8.0		Pipestone	52	-4	28.8	0.08	T.		Grant City	73	9	39.3	3.29	3.0	
Harrisville	47°	-5	24.0	2.50	13.0		Pleasant Mounds	59	-2	30.8	1.62	3.5		Halfway	83	15	49.2	2.33	T.	
Hastings	63°	6	31.4	5.05	20.7		Pokegama Falls	46	-41	18.4	1.96	15.1		Harrisonville	81	14	42.8	2.02	0.3	
Hayes	50°	-5	27.5	2.31	11.0		Redwing a							Hazlehurst					3.09	3.0
Highland							Reeds							Hermann						
Hillsdale	67°	8	32.2	4.32	12.0		Rolling Green	53	-2	29.8	2.07	3.0		Houston	81	13	48.3	7.16	T.	
Humboldt	40°	-31	18.4	2.30	23.0		St. Charles	56	-2	30.0	0.80	8.0		Huntsville	80°	15°	43.4°	3.93	1.5	
Iron Mountain	45°	-11	24.7	1.47	13.0		St. Cloud	53	-9	26.7	1.06	4.0		Ironton	80	16	46.6	11.49	T.	
Iron River	46°	-20	21.8	1.30	4.0		St. Peter	58	-3	30.6	1.04	0.2		Jackson	85	19	49.2	6.65		
Ironwood	45°	-13	22.2	2.31	22.6		Sandy Lake Dam	44	-	1.87	15.1			Jefferson City	84	16	44.4	2.63	T.	
Ishpeming	43°	-15	20.7	4.80	30.5		Shakopee	54	-4	29.0	1.75	2.5		Joplin	85	18	52.3	1.89	T.	
Ivan	44°	-14	22.1	2.82	8.5		Tower	40	-26	15.6	2.10	14.0		Kidder	76	13	40.0	2.71	2.1	
Jackson	66°	11	33.6	3.72	18.5		Two Harbors	41	-16	20.8	1.80	20.5		Koshkonong	83	18	49.4	5.66		
Jeddo	56°	4	29.9	3.20	7.7		Wabasha	52	0	30.6	1.50	3.0		Lamar	86	17	50.2	1.48	T.	
Kalamazoo	62°	10	32.8	4.43	20.0		Wadene	44	-16	21.6	2.04	11.4		Lamotte					2.58	
Lake City	50°	0	26.0				Willow River	43	-24	21.0	2.08	15.3		Lebanon	84	15	47.3	3.77		
Lansing	65°	10	30.3	3.87	15.2		Winnebago	58	-2	31.2	1.31	3.3		Lexington	80	17	44.2	3.33	2.0	
Mackinac Island	47°	-4	23.8	7.45	16.0		Winona	55	1	30.6	1.70	2.5		Liberty	79	14	43.8	4.25	2.0	
Mackinaw City	53°	-9	23.0	2.90	12.0		Wyoming	53	-3	28.6				Lockwood					2.40	
Mancelona	49°	-15	24.2	0.40	4.0								Louisiana	83	15	42.6	4.63	1.0		
Manistee	55°	-2	30.1	1.30	9.0								Macon	81	14	42.3	3.27	2.5		
Marine City	58°	1	31.3	3.95	9.0								Marblehill	80	18	48.4	5.65			
Menominee	47°	-4	26.8	2.04	3.0								Marshall	80	16	44.1	1.99	0.5		
Midland													Maryville	70	9	36.2	3.23	5.8		
Mio	46°	-18	24.5	2.84	14.7								Mexico	84	16	42.8	3.84	0.8		
Montague	55°	6	29.4	3.30	13.0								Miami*	80	17	42.0	2.92	2.7		
Mount Clemens	60°	6	30.0										Monroe City	80	15	40.4	3.10			
Mount Pleasant	51°	-4	22.3	1.37	12.0								Montreal	85	8	47.0	2.89	T.		
Muskegon	50°	6	30.0	3.73	14.0								Mountain Grove	81	17	47.4	7.30	T.		
Newberry	45°	-20	19.2										Mount Vernon	85	14	49.4	4.36	T.		
Old Mission	48°	-1	26.1	2.80	4.0								Neosho	86	15	51.9	2.46			
Olivet	62°	10	31.8	5.21	14.1								Nevada					2.26		
Omer	49°	-15	24.2	1.76	2.0								New Haven	83	20	46.7	4.74	T.		
Onaway	48°	-9	24.6										New Madrid	83	19	48.0	2.77	0.1		
Ovid	64°	9	30.4	4.64	19.0								New Palestine	83	18	48.0	2.77			
Osawasco	64°	10	33.0										Oakfield	81	18	45.6	5.84	T.		
Petoskey	48°	-6	25.5	2.90	13.5								Oliden	86	10	50.1	7.58			
Plymouth	53°	6	31.5										Oregon	73	10	40.1	2.90	7.0		
Port Austin	49°	-5	27.6	2.30	16.0								Palmyra	70	16	46.3	3.30	6.0		
Powers	48°	-12	24.8										Pine Hill					9.28		
Reed City	51°	-7	27.6	2.61	4.8								Princeton	76	10	37.9	3.03	4.5		
Rosecomm	47°	-22*	25.1°	1.90	8.0								Protem	84	15	51.4	5.83			
Saginaw (W. S.)	58°	6	30.8	3.72	14.5								Rockport					2.67		

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Montana—Cont'd.	°	°	°	In.	In.	Nebraska—Cont'd.	°	°	°	In.	In.	Nevada—Cont'd.	°	°	°	In.	In.
Dayton	52	— 5	30.2	1.93	13.2	Holdrege	79	0	41.3	0.07	0.07	Morey	68	5	37.8	2.07	16.0
Deerlodge ^h	49	— 10	27.2	...	...	Holly	66	6	35.9	0.84	2.5	Palisade	67	15	39.8	0.63	...
Dillon	56	— 14	30.3	1.38	12.1	Hooper* ¹	68	—	40.1	0.13	0.2	Palmetto	67	10	39.8	0.80	8.0
Ekalaka	50	— 10	25.5	...	...	Imperial	77	— 2	40.1	0.30	3.0	Pioche	70	15	43.6	1.34	4.0
Fort Benton	50	— 18	19.8	1.00	10.0	Johnstown	79	2	42.0	0.14	0.5	Potts	69	1	36.0	0.30	3.0
Fort Harrison	60	— 3	31.8	...	...	Kearney	75	— 2	37.0	0.26	2.0	Reno State University	62	19	40.5	2.12	...
Fort Logan	60	— 10	24.5	...	...	Kimball	69	— 2.5	39.1	0.13	T.	Sodaville	80	15	45.0	0.34	...
Glasgow	45	— 27	12.2	4.06	...	Kirkwood	67	— 2	37.3	0.24	T.	Toano ⁴ ⁵	50	11	31.4	0.40	4.0
Glendive	45	— 13	16.6	2.20	22.0	Leavitt	75	4	37.5	0.72	0.5	Wabuska	70	10	43.2	0.71	T.
Great Falls	61	— 12	25.6	0.65	6.5	Lexington	79	0	39.7	0.75	3.0	Wadsworth* ¹	64	10	43.2	1.50	T.
Hamilton	56	1	33.8	1.26	9.0	Lockridge	82	5	38.6	0.53	2.0	Wells* ¹	52	11	35.1	3.12	10.0
Lamedeer	63	— 4	28.6	2.05	17.0	Lodgepole	75	— 4	39.2	T.	Wood	62	12	36.6	3.11	...	
Lewistown	53	— 13	26.3	1.90	17.0	Loup	78	2	38.8	0.14	T.	New Hampshire					
Livingston	58	— 8	32.4	1.38	12.0	Lynch	70	3	36.0	0.48	2.0	Alstead	54	— 6	28.5	3.00	7.5
Marysville	46	— 17	21.4	3.27	38.8	McCook	...	...	...	0.02	0.2	Bartlett	...	...	4.16	15.2	
Missoula	53 ^c	— 5	33.6	1.97	16.5	McCool Junction	...	...	...	0.59	...	Berlin Mills	60	— 20	25.0	1.81	4.3
Ovando	49	— 13	24.8	2.10	16.0	Madison	73	10	36.4	0.20	1.5	Bethlehem	58	— 6	26.2	1.68	4.0
Parrot	58	— 8	32.2	1.06	7.9	Madrid	79	— 5	39.4	0.25	...	Breton Wood	...	...	2.53	...	
Philipsburg	53	— 11	28.6	1.58	9.8	Marquette	...	...	...	0.40	2.0	Brookline* ¹	62	— 15	31.6	2.90	11.0
Plains	51	— 4	34.2	1.35	11.0	Mason	...	...	...	0.55	...	Chatham	60	— 18	25.4	1.65	11.5
Poplar	41	— 17	13.3	4.15	35.0	Minden	80	2	39.8	0.47	1.5	Concord	61	— 12	29.6	2.12	8.8
Red Lodge	53	— 18	25.6	2.15	32.0	Monroe	...	...	...	0.19	0.7	Durham	64	— 9	31.0	3.20	11.5
Ridgeglen	42	— 20	15.2	1.65	16.5	Nebraska City c	73	8	40.6	2.51	3.0	Franklin Falls	59	— 9	29.4	2.01	8.5
Ruby*	59	— 6	31.4	...	...	Nemaha	...	...	...	0.27	...	Grafton	57 ^d	— 15 ^d	26.8 ^d	2.42	11.0
St. Pauls	51	— 10	24.0	4.00	40.0	Nemaha	...	...	...	1.65	3.0	Hanover	57	— 12	27.8	1.71	4.3
St. Peter	53	— 14	24.4	1.01	15.5	Norfolk	76	1	36.5	0.41	3.0	Jefferson Highlands	...	...	2.31	12.0	
Springbrook	44	— 11	18.2	3.60	34.4	North Loup	78	1	38.7	0.63	1.8	Kennee	61	— 7	29.6	2.21	6.5
Toston	57	— 5	30.6	...	...	Oakdale	71	3	35.4	0.48	2.6	Littleton	57	— 8	26.6	2.31	7.5
Troy	56	— 0	32.3	4.51	17.5	Odell	...	...	...	2.53	3.0	Nashua	67	— 5	31.8	2.75	9.5
Twin Bridges ^d	53	— 6	30.8	...	...	O'Neil	68	0	38.3	0.14	2.0	Newton	65	— 11	30.4	2.40	11.5
Two Dot	47	— 12	26.2	1.59	18.0	Ord	...	...	...	0.27	...	North Stratford	...	...	1.30	10.2	
Utica	53	— 11	25.4	0.79	12.0	Osceola	...	...	...	1.85	...	North Woodstock	...	...	5.82	...	
Wibaux	47	— 12	27.1	1.25	11.5	Palmer	...	...	...	0.45	4.5	Plymouth	58	— 8	27.9	2.84	10.9
Wolf Creek	57	— 17	27.2	0.83	22.5	Redcloud	83	5	40.7	0.85	...	Stratford	55	— 18	25.8	2.65	5.0
Wolsey	47	— 36	21.3	2.24	29.2	Republican	...	...	...	0.20	...	New Jersey					
Yale	50	— 8	24.8	1.70	17.0	Rulof	...	...	...	2.58	4.2	Asbury Park	69	18	36.8	3.21	2.6
Nebraska																	
Agate	70	— 7	35.0	0.25	0.8	St. Libory	...	...	...	1.74	5.0	Barnegat	72	13	38.6	3.72	9.0
Agree* ¹	68	— 2	31.9	0.13	...	St. Paul	...	...	...	0.50	...	Bayonne	65	13	36.4	3.82	4.3
Albion	74 ^d	8 ^d	38.0 ^d	0.60	5.0	Santolo	...	...	...	0.50	...	Belvidere	65	10	36.4	3.88	6.5
Alliance	72	— 4	38.0	T.	T.	Spragg	...	...	...	0.20	...	Bergen Point	65	14	36.5	4.21	6.5
Alma	84	— 1	41.6	0.13	...	St. Paul	...	...	...	0.20	...	Beverly	69	15	39.0	3.45	7.0
Ansley	77	— 3	39.1	0.40	4.0	Stromsburg	...	...	...	0.50	...	Blairstown	62	7	35.0	3.02	5.0
Arapahoe	...	...	...	0.20	T.	Superior	80	5	38.4	1.39	0.5	Bridgeton	69	15	41.4	3.76	0.5
Arcadia	...	...	...	T.	T.	Syracuse	...	...	...	0.50	...	Canton	...	...	2.95	1.0	
Ashland ^a	79	2	38.4	0.74	3.0	Tablerock	...	...	...	0.75	2.0	Cape May C. H.	71	15	40.0	2.89	T.
Ashland ^b	...	...	...	0.91	3.0	Tecumseh	79	5	40.4	0.84	4.4	Charlotteburg	63	1	32.4	3.50	6.0
Ashton	...	...	...	0.12	T.	Tekamah	71	8	40.6	1.99	4.0	Chester	58	7	32.8	3.77	6.0
Auburn	74	— 7	39.8	2.11	4.0	Turlington	75	7	38.1	1.70	5.0	Clayton	68 ^e	12	38.4 ^e	3.44	2.0
Aurora	82	— 2	43.2	0.17	1.0	University Farm	81	8	39.8	0.84	3.0	College Farm	67	12	36.8	2.38	2.5
Bartley	79	8	42.2	1.86	4.5	Wahoo	...	...	...	0.50	...	Dover	60	7	32.0	3.49	6.2
Beatrice	82	— 1	43.6	0.27	T.	Wakefield	68	2	35.4	0.40	1.4	Elizabeth	65	14	37.0	4.53	...
Beaver	...	...	...	1.92	5.1	Wallace	...	...	...	0.20	...	Englewood	65	16	38.0	3.16	4.0
Bellevue	...	...	...	0.05	...	Wauneta	...	...	...	0.71	2.0	Flemington	65	12	36.9	3.67	7.0
Benklement	75	3	36.8	0.95	3.0	Weeping Water	...	...	...	1.19	4.5	Friesburg	67	16	39.2	3.81	4.5
Blair	...	...	...	0.80	0.5	Westpoint	72	3	37.4	0.88	3.0	Hightstown	64	15	37.0	3.64	2.0
Bluehill	...	...	...	0.89	3.0	Wilber	...	...	...	1.83	4.0	Indian Mills	69	14	39.4	3.50	2.0
Bradshaw	...	...	...	1.90	4.0	Wilsonville	...	...	...	1.55	5.0	Lakewood	69	14	38.0	3.93	2.0
Bridgeport	75	10	41.4	T.	T.	Tecumseh	79	5	40.4	2.00	4.0	Lambertville	65	13	37.6	3.52	8.5
Broken Bow	76	0	39.4	0.20	1.5	Tekamah	71	8	40.6	1.99	4.0	Layton	61	2	32.9	3.49	7.0
Burchard	...	...	...	1.90	4.0	Turlington	75	7	38.1	1.70	5.0	Moorestown	68	15	38.4	3.83	5.7
Burwell	...	...	...	0.60	6.0	University Farm	81	8	39.8	0.84	3.0	Newark	65	13	35.4	3.56	7.3
Callaway	78	— 6	40.8 ^b	T.	T.	Wahoo	...	...	...	0.54	3.0	New Brunswick	67	13	37.8	3.74	7.0
Central City	...	...	...	0.60	3.0	Wakefield	68	2	35.4	0.40	1.4	Newton	62	7	34.4	3.32	5.0
Chester	...	...	...	0.79	4.5	Wallace	...	...	...	0.20	...	Oceanic ^d	70	16	37.6	2.84	2.8
Cody	...	...	...	0.02	0.2	Wauneta	...	...	...	0.71	2.0	Paterson	67	13	37.2	3.85	6.9
Columbus	77	5	37.8	0.93	1.5	Weeping Water	...	...	...	1.19	4.5	Pemberton	70	15	38.4	3.56	2.0
Crete	77	5	39.7	1.02	1.8	Westpoint	72	3	37.4	0.88	3.0	Phillipsburg	63	10	35.6	3.61	7.6
Crookston	...	...	...	0.63	3.0	Wilber	...	...	...	0.90	3.0	Plainfield	65	12	36.2	3.87	6.5
Culbertson	80	— 1	42.5	0.55	2.0	Wilsonville	...	...	...	0.51	...	Pleasantville	...	...	2.02	2.5	
Curtis	79	— 1	39.3	0.40	2.0	Winnipeg	69	4	35.6	0.20	T.	Rancocas	...	...	4.17	5.5	
David City	74	— 4	38.0	1.33	3.5	Yates	68	15	40.0	2.23	...	Rivervale	69	7	36.4	3.62	9.0
Dawson	76	10	41.4	1.60	3.0	Austin	58	13	36.6	0							

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
New Mexico—Cont'd.	°	°	°	In. .00	In. .00	New York—Cont'd.	°	°	°	In. .00	In. .00	North Dakota—Cont'd.	°	°	°	In. .00	In. .00
Gage					0.01	Rome	58	1	30.3	3.68	14.0	Forman	50	—16	22.6	0.78	8.6
Golden					T.	Romulus	53	8	32.0	2.95	16.3	Fort Yates	64	—9	23.4	1.13	6.5
Las Vegas	74	12	46.2	T.	Salsbury Mills	57	—11	25.6	1.59	8.3	Fullerton	56	—12	22.6	1.06	8.9	
Lordsburg					0.23	Saranac Lake	57	—5	27.8	2.42	16.0	Glenullin	44	—8	19.6	1.17	11.7
Los Lunas	78	25	51.2	0.00	Saratoga Springs	51	—5	34.8	2.54	9.4	Grafton	40	—11	16.8	1.38	9.8	
Luna	71	10	42.8	0.00	Scarsdale	66	10	35.3	3.85	6.0	Hamilton	45	—15	15.6	2.19	21.9	
Mesilla Park	84	23	54.5	0.00	Setauket	63	15	30.4	1.82	5.4	Hannaford	50	—16	18.0	1.16	11.1	
Mountainair	71	8	44.5	0.14	Shortsville	61	5	30.4	3.06	.....	Jamestown	51	—11	20.7	1.26	8.4
Raton	67	13	42.6	0.49	Skaneateles	55	13	34.9	2.79	4.7	Kulm	55	—10	22.4	0.69	4.0	
Roswell	85	22	55.2	0.00	Southampton	55	0	29.5	3.15	7.5	Larimore	40	—12	18.5	1.52	10.0	
San Marcial	85	18	55.8	0.00	South Butler	55	—7	28.5	2.82	15.1	Lisbon	48	—15	20.2	1.30	11.0	
Strauss					South Canisteo	59	3	30.6	3.82	.....	McKinney	45	—22	10.0	1.50	15.0
Taos	68	12	42.0	1.28	South East Reservoir	59	0	29.5	2.75	10.7	Manfred	41	—20	16.2	2.06	16.2	
Winsors	62°	5°	36.8*	0.61	South Kortright	51	—12	25.8	2.82	15.1	Medora	58	—5	21.0	.....	.....
New York.					South Schroon	53	—7	28.5	3.28	15.0	Melville	45	—14	19.6	0.80	8.0	
Adams	59	4	32.0	6.24	Spier Falls	53	—4	27.3	2.73	.....	Minnewaukon	42°	—19	16.6*	1.29	12.9
Addison				2.75	Straits Corners	55	0	29.2	1.87	16.0	Minot	46	—10	17.5	1.70	17.0	
Akron				3.55	Ticonderoga	55	—9	25.6	3.20	4.9	Minto	41	—13	15.8	1.80	9.0	
Alden	65	6	31.6	2.68	Upper Lake	58	—9	30.0	3.87	8.0	Napoleon	44	—8	19.5	0.83	6.0	
Amsterdam	59	—5	28.6	2.82	Vulenia	60	4	32.6	4.03	15.0	New England	45	—7	19.4	1.40	14.0	
Angelica	62	9	30.0	2.47	Wappinger Falls	63	10	32.6	4.03	15.0	Oakdale	48	—9	17.7	2.12	21.2	
Appleton	66	8	31.9	2.49	Warwick	58	—2	29.4	3.08	9.0	Palermo	38	—10	16.3	1.93	19.6	
Arcade	59	—8	28.4	5.05	Watertown	58	2	29.4	3.08	9.0	Park River	49	—13	17.8	1.94	19.4	
Athens	63	7	32.6	2.98	Waverly	59	0	32.1	3.67	7.1	Pembina	44	—16	18.4	2.24	22.4	
Atlanta	61	—2	29.8	3.59	Wedgewood	56	5	27.7	3.12	10.8	Portal	38	—14	11.7	0.71	7.1	
Auburn	60	3	31.0	3.84	Wells	52	—20	26.0	4.75	16.4	Power	48	—13	21.9	0.82	7.9	
Avon	65	—2	30.4	2.30	West Berne	65	—3	28.0	2.12	11.0	Steele	46	—14	18.4	1.08	7.8	
Balston Lake	56	—6	29.2	2.11	Westfield b.	63	7	32.2	3.58	.....	University	48	—14	20.8	1.08	7.8
Beaver				5.50	Windham	63	3	31.0	2.31	10.0	Wahpeton	56	—8	26.8	1.03	9.2	
Bedford	64	9	34.9	3.25	Youngstown	55	—2	34.2	2.42	9.0	Willow City	41	—29	10.6	1.00	10.0	
Berlin	62	2	31.4	2.10	North Carolina.			Ohio.			Akron	74	11	37.0	4.55	0.5	
Blue Mountain Lake				21.0	Brevard	77	20	49.0	6.76		Atwater				5.25	0.5	
Bolivar	63	2	30.3	4.23	Brewers	76	20	47.1	3.39		Bangorville	74	11	38.2	6.56	1.0	
Bouckville	53	—2	27.8	2.68	Bryson City						Bellefontaine	72	15	38.4	8.14	2.0	
Boys Corners				11.0	Chapelhill	24					Benton Ridge	74	16	38.8	5.26	5.3	
Brockport	62	7	30.6	3.02	Currituck						Bladensburg	76	14	39.3	5.87	0.4	
Caldwell	55	—10	27.8	4.09	Edenton	79	26	51.3	5.06		Bowling Green	71	15	36.8	5.21	5.5	
Canajoharie	60	—3	28.5	2.02	Fayetteville	84	27	55.1	3.89		Bucyrus	74	13	38.8	1.85	.....
Cape Vincent	47	2	27.2	3.18	Goldsboro	82	27	51.7	3.96		Cadiz	78	14	40.4	5.03	1.3	
Carmel	61	6	31.4	4.08	Graham						Cambridge	79	15	42.0	4.70	2.0	
Carvers Falls	55	—7	27.2	2.53	Greensboro	76	24	47.6	3.64		Camp Dennison	78	17	44.2	7.46	0.1	
Chazy	50	—8	26.1	1.70	Henderson	78	23	49.6	2.86		Canal Dover	75	15	39.8	6.89	1.0	
Cooperstown	55	0	28.2	3.06	Hendersonville	76	23	47.4	5.88		Cauton	73	14	37.8	6.07	1.7	
Corlant	56	—2	29.4	2.85	Henrietta	82	24	51.0	3.80		Cardington	73	15	38.9	7.04	0.3	
Cutchogue	62	12	35.4	2.65	Horse Cove	71	21	47.0	8.14		Circleville	89	18	42.3	5.80	T.	
Deansboro				2.97	Hot Springs	75	26	48.9	.....		Clarington	81	24	44.9	5.41	1.0
Dekalb Junction	55	0	27.7	2.99	I. °	73	18	43.2	4.65		Clarksville	79	17	44.0	7.19	0.8	
De Ruyter	55	—8	28.0	2.77	J. °	79	27	51.8	5.04		Cleveland a.	73	14	36.6	4.51	3.7	
Easton				12.0	K. °	76	32	49.2	5.30		Cleveland b.	74	13	35.2	3.77	3.0	
Elba	58	6	30.4	5.02	L. °	77	22	47.5	4.20		Clifton	75	15	41.0	7.35	0.5	
Elmira	63	6	33.3	2.52	M. °	70	14	40.1	7.04		Coalton	81	17	44.8	5.09	1.0	
Fayetteville	62	4	31.2	2.35	N. °	77	20	46.8	4.68		Colebrook				5.14	.....
Franklinville	60	—2	29.2	4.63	O. °	81	24	51.0	5.19		Dayton a.				5.31	2.5	
Gabriels	51	—13	23.2	3.75	P. °	78	22	49.2	7.04		Dayton b.	76	19	41.8	7.90	0.7	
Gansevoort				9.0	Q. °	76	22	48.7	4.84		Defiance	69	14	36.5	6.30	7.7	
Glens Falls	52	—6	28.4	3.01	R. °	82	20	52.6	3.09		Delaware	75	15	39.8	6.26	1.0	
Gloversville	48	—10	26.9	3.72	S. °	81	21	52.1	2.22		Demos	77	14	42.4	4.07	.....
Greewich	61	2	30.2	2.11	T. °	80	22	49.6	4.15		Elyria	73	16	36.7	.....	.....
Griffin Corners	58	—1	28.2	2.61	U. °	76	23	48.7	3.96		Findlay	75	15	39.5	5.84	3.0	
Harness	54	—4	26.8	0.73	V. °	81	27	53.6	4.38		Frankfort	79	18	44.4	5.54	2.5	
Haskinsville				4.5	W. °	76	22	43.9	3.62		Freemont	73	15	37.9	5.20	4.5	
Hemlock	60	4	30.9	3.35	X. °	83	25	54.1	2.43		Garrettsville	75	3	35.8	5.23	2.8	
Indian Lake	51	—25	23.8	3.45	Y. °	84	20	52.2	3.60		Granville	77	15	41.4	5.79	1.5	
Ithaca	59	2	30.4	2.29	Z. °	79	22	48.2	3.16		Gratiot	76	15	41.5	5.07	1.1	
Jamestown	64	5	32.6	4.71	AA. °	85	26	54.2	2.15		Green	81	19	46.2	8.84	0.3	
Jeffersonville	56	—6	29.2	2.83	AB. °	76	23	48.7	3.96		Greenfield	76	20	43.3	6.02	2.0	
Keene Valley	59	—7	27.2	2.55	AC. °	82	25	52.8	2.60		Greenhill	74	10	37.0	5.28	1.2	
King Ferry				7.0	AD. °	77	20	46.4	3.25		Greenville	69	17	39.7	7.84	1.0	
Le Roy	65	7	30.8	2.94	AE. °	80	26	52.0	4.38		Hanging Rock	81	15	47.0	5.97	1.2	
Liberty	54	0	27.8	3.01	AF. °	80	24	50.7	2.41		Hedges	72	17	38.6	6.14	3.0	
Littlefalls, City Res.	56	—3	26.6	3.17	AG. °	83	28	55.2	3.79		Hillhouse	73	1	33.0	5.83	7.0	
Lockport	65	9	31.3	3.20	AH. °	78	21	52.0	3.13		Hiram	72	5	35.2	3.73	2.0	
Lowville	52	—4	26.3	3.82	AI. °	84	25	54.6	2.75		Hudson	71	4	35.6	4.31	1.5	
Lyndonville				8.8	AJ. °	84	26	55.6	2.31		Jacksonboro	73	21	41.9	7.35	.....
Lyons	58	8	31.2	5.40	AK. °	76	28	54.2	4.11		Kenton	73	15	37.7	6.93	2.3	
Middletown	60	9	33.0	2.80	AL. °	81	26	52.1	2.95		Killbuck	75	11	38.4	6.95	1.0	
Mohonk Lake	59	5	29.9	3.94	AM. °	81	22	50.8	2.46		Lancaster	78	16	41.4	5.27	1.0	
Moira	60	0															

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion. Rain and melted snow. Total depth of snow.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion. Rain and melted snow. Total depth of snow.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion. Rain and melted snow. Total depth of snow.			
	Maximum.	Minimum.	Mean.			Maximum.	Minimum.	Mean.			Maximum.	Minimum.	Mean.				
<i>Ohio—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>				<i>Ins.</i>	<i>Ins.</i>				<i>Ins.</i>	<i>Ins.</i>		
Norwalk	77	13	37.8	5.73	3.0				Grants Pass	69	27	43.8	11.17	1.8			
Oberlin	77	14	37.4	4.22	T.	Hood River (near)	59	25	39.4	6.70	10.9						
Ohio State University	69	16	39.0	5.29	1.1	Huntington	57	22	39.4	4.54	4.0						
Orangeville	75	5	37.6	2.96	1.0	Jacksonville	70	27	46.4	7.59	5.0						
Ottawa	73	16	38.8	6.87	5.0	Joseph	54	7	32.3	2.85	16.5						
Patascola	78	15	40.6	5.49	1.0	Kerby	58	28	41.4	26.47	46.5						
Philo	80	14	41.8	2.44	1.1	Klamath Falls	60	11	35.3	3.62	4.2						
Plattsburg	73	15	40.0	6.46	1.0	LaGrande	58	14	37.2	4.01	5.0						
Pomeroy	80	18	44.8	5.00	1.0	Lakeview	55	12	32.0	4.53	.....					
Portsmouth a.						Langlois	63										
Portsmouth b.	80	20	46.2	6.92	0.5	LoneRock	61	14	37.2	3.47	6.5						
Pulse	76	18	44.6	6.31	1.0	McKenzie Bridge	66	24	39.1	15.23	.....					
Richwood	74	16	39.2	7.16	1.8	McMinnville	58	28	42.6	10.09	2.5						
Rockyridge	72	12	36.8	4.14	4.5	Meacham											
Shenandoah	73	12	36.2	6.33	1.7	Monroe	61	27	43.2	13.79	T.						
Sidney	73	18	40.8	8.06	1.5	Mount Angel	61	32	43.1	8.00	1.5						
Somerset	78	16	41.8	3.57	1.4	Nehalem											
Springfield						Newport	70	31	44.6	13.37							
Thurman	86	16	45.8	4.67	1.0	Ontario											
Tiffin	73	14	38.2	5.98	5.2	Pendleton	75	20	44.0	2.77	1.0						
Upper Sandusky	74	15	39.0	5.68	3.5	Pine	53	11	33.9	4.63	9.0						
Urbana	66	16	38.0	6.09	1.0	Prineville	60	17	37.9	2.14							
Vickery	72	9	37.4	4.75	5.7	Riverside	60	12	39.8	0.60	1.5						
Warren	75	10	36.2	5.59	1.2	Salem	58	29	43.6	9.04							
Wauseon	69	14	35.2	6.30	13.3	Sparta	49	11	31.4	5.37	26.0						
Waverly	88	17	44.6	5.90	0.4	Stafford	60	26	42.0	9.85	0.5						
Waynesville	75	16	42.0	6.38		The Dalles	65	28	43.0	3.10	3.5						
Wellington	77	15	38.0	4.12	2.0	Toledo	58	27	41.6	17.03	1.0						
Willoughby						Umatilla	65	25	44.3	1.64	T.						
Wilson	79	15	44.2	6.14	1.5	Vale	61	21	40.2	3.71	1.5						
Wooster	74	13	37.6	6.22	1.0	Wallowa	54	10	34.6	5.14	10.0						
Zanesville				4.63	0.7	Wanife	57	11	36.7	4.53	14.5						
<i>Oklahoma.</i>						Warm Spring	62	22	41.6	3.46	6.5						
Arapaho	91	16	56.8	0.20		Weston	61	17	36.6	8.02	13.0						
Beaver	92	1	51.0	0.00		Williams	66	26	43.8	10.88	15.2						
Binger	91	10	57.1	0.13		<i>Pennsylvania.</i>											
Chandler	90	10	56.0	0.32		Aleppo	78	14	42.6	5.99	1.0						
Cleo	96	11	57.6	T.		Altoona	70	12	34.5	4.12							
Cloud Chief	92	15	66.5	0.44		Beaver Dam											
Eldorado	96	21	61.3	0.00		Bellefonte	68	13	35.4	5.13	5.0						
Enid	89	11	55.0	0.55		Brookville											
Fort Reno	93	16	57.8	0.02		Browers											
Fort Sill	96	16	60.0	T.		California	79	18	43.0	4.82	0.4						
Guthrie	90	18	57.4	T.		Cassandra	72	10	34.5	3.58	7.0						
Harrington	88	16	56.2	0.23		Centerhall	63	10	34.2	4.91	7.0						
Hennessey	90	16*	56.4	0.95		Claron											
Hobart ^a	92	26	59.0	0.35		Coatesville	65	14	37.6	3.74	6.2						
Jefferson	86	18	52.1	0.87	1.0	Coudersport	64	3	30.8	4.60	3.0						
Jenkins	90	15	53.8	1.20		Confluence											
Kenton	80	14	48.4	0.26		Davis Island Dam											
Kingfisher	90	15	57.7	0.16		Derry	78	14	40.4	5.26	T.						
McComb	93	15	50.0	0.39		DoylesTown											
Mangum	90	20	58.3	0.40		Dushore	57	2	30.0	3.26	6.5						
Meeker	96	12	58.2	0.50		East Bloomsburg											
Newkirk	85	16	55.4	1.09		East Mauch Chunk	59	7	34.6	5.64	9.5						
Norman	92	15	59.2	0.13		Easton	62	12	36.3	3.22	6.6						
Perry	91	17	55.8	0.38		Ellwood Junction											
Sac and Fox Agency	91	14	50.6	0.50		Emporia	66	9	34.0	6.18	6.5						
Shawnee	92	21	55.8	0.37		Ephrata	63	9	36.6	2.61	5.7						
Stillwater	91 ^b	15 ^b	53.2 ^b	0.15		Forks of Neshaminy											
Taloga	90	11	53.1	T.		Franklin	77	5	35.6	3.75	1.0						
Temple	94	19	61.6	0.07		Freeport	76	14	39.2	6.05	0.6						
Watonga	96	11	58.4	T.		Gettysburg	72	17	40.5	3.04	3.5						
Waukonia	92	18	57.8	0.40		Girardville											
Weatherford	89	17	54.6	0.06		Gordon	60	8	34.5	4.49	4.0						
Whiteagle	90	18	55.2	1.16		Grampian	68	0	32.0	6.06	3.0						
Woodward	85	12	53.0	1.00		Greensboro											
<i>Oregon.</i>						Greenville	74	6	36.0	4.37	2.2						
Albany						Hamburg	61	10	36.2	3.57	8.5						
Alpha	62	27	42.6	21.64	11.8	Herr's Island Dam											
Arlington	65	27	42.6	1.93		Huntingdon a.											
Ashland	63	24	42.8	4.18	6.2	Huntingdon b.	71	15	37.2	4.00	1.8						
Astoria	58	30	42.2	13.82	3.0	Indiana	72	10	37.3	6.12	3.1						
Aurora (near)	61	25	42.2	8.37	0.2	Irwin	78	14	40.9	4.93	T.						
Bay City	54	27	41.7	17.42	2.2	Johnstown	80	14	38.7	5.57	2.6						
Bend	54	11	36.8	3.30	14.5	Keating											
Beulah	56	19	38.5	1.84	5.0	Keenett Square	67	15	38.0	4.17	8.7						
Blackbutte	53	30	38.2	10.57	14.0	Lansdale											
Blalock	64	29	44.6	1.69	0.5	Lawrenceville	60	2	31.4	2.60	4.0						
Bullrun						Lebanon	63	15	37.2	3.50	5.5						
Burns	56	12	38.8	2.88	11.0	Leroy	59	4	30.8	3.94	6.5						
Burns (near)						Lewisburg	64	11	35.8	3.75	8.0						
Butter Creek						Lockhaven a.	63	13	36.2	4.99	8.0						
Cascade Locks	58	28	41.1	15.09		Lockhaven b.											
Coquille						Lock No. 4.											
Corvallis	59	28	42.8	11.70	T.	Lycopus	77	12	39.6	5.00	2.9						
Dayville	63	20	42.0	3.11	6.0	Mariou	71	17	38.2	2.34	2.0						
Detroit	74	11	36.6	16.10	21.5	Mifflin											
Doraville	59	25	39.8	8.31	5.6	Midlinton	64 ^b	15	36.2	3.12	4.0						
Drain	66	31	45.9	13.71		Milford	62	2	32.8	3.40	9.1						
Ella						Montrose	57	1	29.6	2.42	10.0						
Eugene	61	30	43.6	10.49	1.3	New Germantown	71	11	37.2	3.16	2.8						
Fairview	6																

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TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
	Ins.	Ins.	Ins.				Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Ins.	Ins.	Ins.	Ins.	Ins.		
<i>South Dakota—Cont'd.</i>	°	°	°				<i>Tennessee—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>		<i>Texas—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>	
Centerville	68	1	34.9	0.05	0.8		Sewanee	77	18	49.2	10.08	0.5		Panter	°	°	°	1.36		
Chamberlain	65	— 9	31.5	0.07	0.7		Silverlake	74	18	45.0	4.98			Paris	93	27	58.4	3.17		
Cherry creek	59	— 11	27.0	0.45	2.0		Springdale	79	19	50.0	4.52	T.		Pearlall	160	35	71.6	0.00		
Clark	58	— 9	26.5	0.11	T.		Springville	80	22	51.8	6.30	T.		Pecos	93	36	64.7	0.00		
Clear Lake	62	— 10	29.4	0.10			Tazewell . . . . .	.....	.....	.....	5.14	T.		Port Lavaca	83	40	67.5	0.81	
Desmet	63	— 12	28.2	0.80	2.7		Tellico Plains	79	25	53.6	6.60	T.		Rhinelander	94	18	58.6	0.00		
Elkpoint	66	2	35.4	1.43	7.5		Tracy City	78	19	49.6	8.90			Riverside . . . . .	.....	.....	.....	2.78	
Fairfax	70	6	37.6	T.			Trenton	81	27	52.9	5.70			Rockisland	89 ^c	35	67.0 ^c	0.09		
Farmington							Tullahoma	80	22	52.0	9.25	T.		Rockland	74	48	64.9	3.00		
Faulkton	62	— 8	27.4	0.02	T.		Waynesboro	80	23	52.2	6.98			Rockport	98 ^c	34 ^c	70.0 ^c	0.62		
Flandreau	66	— 5	30.2	0.28	T.		Wildersville	79	25	54.1	5.70			Runge	104	30	70.5	0.00		
Forestburg	66	— 9	30.5	0.10	T.		Yukon	80	23	53.2	6.08			Sabinal	98	24	65.6	0.36		
Fort Meade	64	— 1	33.3	0.31	T.		<i>Texas.</i>							Santa Gertrudes Ranch . . . . .	.....	.....	.....	0.61	
Gann Valley	65	— 8	32.6	0.27	1.0		Albany	96	20	64.4	0.00			Sherman	89	29	62.3	4.30		
Grand River School	53	1	26.9	0.27	3.8		Alvin	85	38	67.2	0.87			Sonora	93	25	64.7	T.		
Greenwood	66	— 2	36.8	0.17	0.5		Arthur . . . . .	.....	.....	.....	6.02			Sugarland	86	33	65.1	0.92	
Highmore	64	— 7	30.4	0.05	0.5		Athens	94	31	63.4	.....			Sulphur Springs	90	26	62.6	5.19	
Hotch City	66	— 1	32.8	0.06	2.0		Austin a	92	32	66.4	0.13			Temple a	90	27	61.2	0.34		
Howard	64	4	31.4	0.28	T.		Beaumont	86	47	69.9	1.55			Temple b	91	28	62.8	0.36		
Howell	64	— 9	28.6	0.17	1.1		Beeville	99	37 ^c	72.0 ^c	0.04			Tilden	104	26	70.4	T.		
Ipswich	58	— 9	25.5	0.61			Bigspring	90	29	63.2	0.00			Trinity	90	30	66.5	0.61		
Kidder	59	— 2	24.2	1.21	6.5		Blanco	90 ^c	30	63.5	1.06			Tulia	85	16	53.6	0.00		
Kimball	66	— 1	31.8	0.35	3.0		Boerne [*]	97	29	64.4	0.88			Tyler	89	29	63.2 ^c	2.38		
Leola	55	— 18	25.2	1.50	7.3		Bouham	93	25	64.4	3.97			Victoria	89	36	66.8	0.10		
Marion	61	— 1	32.8	0.50			Booth . . . . .	.....	.....	.....	1.40			Vernon	95	31	64.4	0.00	
Mellette	55	— 13	25.4	0.20	2.0		Bowie	94	22	63.2	0.07			Waco	94	23	61.0	2.13		
Meno	64	— 2	33.4	0.37	0.5		Brazoria	84 ^c	40	66.8	0.70			Waxahachie	94	25	61.8	0.97		
Millbank	55	— 8	29.0	0.67			Brenham	90	33	66.4	0.22			Weatherford	93	25	61.8	0.00		
Mitchell	65	— 3	33.7	0.33			Brighton	82	39	67.8	0.17			Wichita Falls . . . . .	.....	.....	.....	.....
Oelrichs	70 ^a	— 3	34.1 ^a	0.90	4.0		Brownwood	95	30	61.0	1.06			<i>Utah.</i>	.....	.....	.....	.....
Pedro	65	— 2	31.2	T.	T.		Burnet	94	27	66.1	0.75			Alpine	75	14	47.3	5.15		
Pine Ridge	72	— 7	37.5	0.32	2.2		Camp Eagle Pass	105	32	72.0	0.00			Aneth	75	14	47.0	0.10		
Plankinton	65	— 3	32.0	0.08	T.		Childress	98	22	61.9	T.			Blackrock	76	11	42.4	0.93	3.0	
Ramsey	62	— 7	31.6	T.			Claytonville	90	21	63.4	0.00			Bluecreek	52	27	39.2	1.15	2.0	
Redfield	63	— 9	27.2	0.43	4.2		Coleman	95	26	65.0	0.15			Callao	75	11	42.4	1.16	2.5	
Rosebud	70	0	36.9	0.30	3.5		College Station	91	31	66.8	0.41			Castledale	74 ^a	2 ^b	39.3 ^c	0.45		
Silver City . . . . .	.....			0.33	T.		Colorado	92	21	63.6	0.00			Cisco	74	12	46.0	0.81	2.0
Sioux Falls	64	— 6	32.5	0.28			Columbus	85	33	66.8	0.47			Corinne	65	14	38.3	4.15	11.0	
Sisseton Agency	54	— 9	24.4	0.61	3.9		Comanche	95 ^c	20 ^c	63.2 ^c	0.83			Coyote	61	0	37.4	0.05	0.5	
Spearfish	70	0	33.0	0.08	T.		Comstock	100	34	69.4	0.00			Deseret	70	11	40.2	1.55		
Stephen	65	— 9	29.9	0.05	0.5		Corsicana	95	29	63.1	0.50			Enery	65	11	34.8	T.		
Tyndall	67	1	35.3	0.50			Cotulla	106	41	78.3	0.36			Escalante	69	17	42.7	1.55		
Vermillion	65	2	35.9	0.91	3.0		Cuero	92	37	67.3	0.09			Experiment Farm	78	24	51.6			
Watertown	58 ^b	— 10 ^b	25.9 ^b	0.10	1.0		Dallas	93	24	60.4	2.36			Farmington	61	16	40.2	5.26	36.0	
Wentworth	73	— 12	30.0	0.23			Daneyang	87	33	66.2	0.50			Fillmore	70	14	42.4	2.16		
Wolsey . . . . .	.....			0.15	1.3		Dialyville	88	28	63.8	3.63			Fort Duchesne	82	9	40.4	1.10	5.7
<i>Tennessee.</i>	.....						Dublin	88 ^c	31 ^c	66.2 ^c	1.00			Garrison	71	14	42.3	0.62	T.
Andersonville	76	20	51.5	5.32	T.		Duval	92	21	68.7	1.02			Giles	70	8	40.4	1.10		
Ashwood	80	24	52.3	5.85			Estelle	93	24	63.6	4.45			Government Creek	75	5	38.9	4.94	15.5	
Bluff City . . . . .	.....						Fort Brown	90	26	72.9	0.04			Grover	69	10	39.5	0.35	3.5
Bolivar	81 ^c	24	51.4 ^c	6.53	T.		Fort Clark	98	35	69.0	0.00			Heber	62	10	35.8	3.48		
Bristol	74	20	47.5	3.10	T.		Fort Davis	84	28	58.0	0.00			Henefer	61	9	34.9	4.61	12.8	
Brownsville	79	26	53.6	6.68			Fort McIntosh	105	37	75.5	0.05			Hite	78	20	51.7	0.45		
Byrdstown	80	20	49.8	5.42	2.0		Fort Ringgold	105	42	77.1	1.20			Huntsville . . . . .	.....	.....	.....	6.34	26.0
Carthage	76	23	52.2	7.14			Fredericksburg	93 ^c	29 ^c	67.1 ^c	1.37			Ibapah	67	11	37.4	1.49	7.5	
Catlettsburg	81	23	50.3	6.03			Gainesville	92	21	60.4	4.62			Keawab	74 ^c	10	39.5	1.01		
Cedar Hill	81	23	50.3	6.50			Gatesville	97	22	68.1	1.55			Levan	65	15	38.0	3.25	11.1	
Clinton	80	28	54.0	6.50			Graham	99 ^c	20 ^c	66.0 ^c	0.04			Logan	60	10	36.5	3.13		
Covington	80	28	54.0	6.50			Grapevine	92	24	64.0	3.75			Lund	73	12	42.4	1.90	3.1	
Decatur	76	22	51.4	7.10			Greenville	91	26	61.9	2.85			Manti	65	13	39.1	1.71		
Dickson	79	21	50.9	6.67			Hale Center	85	21	56.8	0.00			Marysville	67	8	39.8	1.99	13.0	
Dover	81	23	51.5	5.55			Hallettsville	90	36	68.5	0.60			Meadowville	49	6	30.0	4.50	16.5	
Dyersburg	80	26	50.4	5.70			Haskell	96	23	63.0	0.00									

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Vermont—Cont'd.																	
Enosburg Falls	57	-14	27.6	2.46	6.5	Washington—Cont'd.	°	°	°	Ins.	Ins.	Wisconsin—Cont'd.	°	°	°	Ins.	Ins.
Jacksonville	53	-15	26.3	2.84	9.0	Snohomish	58	25	41.2	7.46	T.	Madison	52	6	30.6	2.44	6.5
Manchester	59	0	29.2	1.48	6.0	Snoqualmie	57	28	42.2	8.68	7.5	Mauitowoc	45	3	29.6	3.66	13.2
Morrisville	65	-18	26.3	2.53	6.2	Southbend	60	29	40.8	12.88	8.2	Meadow Valley	51	-7	26.8	2.28	7.5
Norwich	55	-13	21.8	2.35	8.0	South Ellensburg	54	14	33.2	2.68	18.0	Medford	49	-13	26.2	1.30	9.0
St. Johnsbury	53	-16	26.9	1.26	6.2	Sprague	66	23	41.2	1.49	3.8	Menasha	47	-22	23.2	2.17	4.5
Wells	56	0	27.3	1.79	2.5	Sunnyside	58	13	38.2	1.04	6.0	Minocqua	50	3	29.6	4.15	10.2
Woodstock	58	-10	29.6	1.71	8.0	Trinidad	58	13	38.2	1.04	6.0	Mount Horeb	50	-11	27.1	2.07	5.0
Virginia						Twisp	50	6	29.6	1.95	19.5	Neillsville	50	-11	27.1	2.07	5.0
Ashland	73	19	45.8	3.64	T.	Union	59	28	40.6	15.55	2.2	New London	48	-5	26.8	2.16	9.0
Barbourville	72	17	45.8	4.10	T.	Usk	50	-3	31.6	4.14	21.8	Oconto	49	-7	23.0	2.57	6.0
Bigstone Gap	77	21	49.8	5.20	T.	Vancouver	62	28	43.1	7.69	T.	Osceola	48	-18	25.0	1.37	11.0
Blacksburg	76	13	42.2	2.43	T.	Vashon	58	30	41.9	5.83		Oshkosh	50	2	28.5	2.34	
Buckingham	76	20	50.1	2.78	T.	Waterville	48	3	27.4	2.75	19.0	Pine River	49	-2	27.6	2.35	8.7
Burkes Garden	69	11	40.0	3.67	1.0	Wenatchee (near)	56	12	35.4	3.56	34.5	Portage	53	2	30.7	3.21	9.0
Callaville	76	26	49.0	4.10		Wilbur	57	11	33.0	1.63		Port Washington	50	3	26.4	4.75	19.0
Charlotteville	77	19	47.0	2.22	T.	Zindel	64	28	46.4	1.54		Prairie du Chien a	60	6	35.4	3.04	8.0
Clarksville						West Virginia						Prairie du Chien b					
Columbia						Bayard	77	9	38.4	4.04		Prentice	44	-10	24.3	1.51	15.1
Dale Enterprise	75	16	42.7	2.43	3.0	Beckley	72	22	38.2			Racine	51	10	33.1	5.28	
Danville	75	22	50.4	2.95	T.	Bens Run	82	17	44.2	6.10	2.0	Sheboygan	49	7	30.3	3.33	18.5
Elk Knob	73	20	47.1	5.12	T.	Beverly	79	14	41.8	4.10	3.0	Spooner	45	-20	24.2	0.81	6.0
Farnerville	75	20	48.8	3.10		Bluefield	75	15	43.6			Stanley	47	-11	26.3	5.2	
Fredericksburg	75	17	44.8	2.58	1.0	Buckhannon	81	16	43.2	4.61		Stevens Point	45	-14	26.6	0.85	4.5
Hampton	76	26	47.2	4.09		Burlington	82	14	40.7	2.03	3.0	Valley Junction	55	-1	30.4	1.26	6.0
Hot Springs	74	11	41.2	3.65		Cairo	83	13	44.5	4.80	0.5	Viroqua	53	2	29.8	2.98	6.5
Lexington	78	19	46.4	2.29	T.	Central	82	16	43.5	3.37	2.0	Washburn	49	-14	22.1	1.63	14.2
Lincoln	16					Chapel	81	16	46.8	3.16	5.0	Watertown	52	5	30.2	4.03	17.8
Marion						Charleston	82	18	50.0	3.54	1.0	Waukesha	53	7	30.8	3.54	14.7
Mendota						Creston	84	18	45.3	4.87	0.5	Waupaca	48	-8	26.9	2.43	9.0
Mount Weather	65	9	37.4	2.26		Cuba	82	17	44.2	5.47	1.0	Wausau	46	-14	25.4	1.62	
Newport News	74	25	49.9	3.35	T.	Elkhorn	77	17	46.6	3.95	3.0	Whitehall	55	-4	29.6	2.35	6.3
Petersburg	72	25	47.1	3.33	T.	Fairmont						Wyoming					
Quantic	73	20	44.0			Glenville	82	17	42.9	4.99	1.0	Afton	48	1	28.4	4.00	20.0
Radford						Grafton	81	17	44.2	5.36	1.6	Alcovia	62	1	35.4	0.87	8.8
Riverton						Green Sulphur Springs	81	15	42.7			Basin	68	0	36.3	0.47	4.7
Roanoke						Harpers Ferry						Battle	38	-6	18.4	9.10	81.0
Rockymount	67	19	41.4	2.36		Hinton	83	20	44.9	4.84	1.0	Bedford	47	-13	26.0	4.93	23.6
Saxe	77	19	48.8	2.85	T.	Huntington	71	10	38.4	1.42		Buffalo	52	-17	25.6	2.52	
Shenandoah						Leonard	71	10	38.4			Chugwater	66	-11	36.2	1.08	5.5
Speers Ferry						Lewisburg	75	15	43.2	2.83	T.	Daniel	46	-26	19.6	3.50	35.0
Spottsville	78	24	47.4	3.54	T.	Lillydale	78	16	44.8	2.19	T.	Embar	68	-6	32.8	1.82	13.0
Standardsville	72	15	42.6	2.83		Logan	86	22	51.4	5.12	1.0	Evanston	49	-6	27.8	2.60	8.5
Staunton	75	20	45.5	2.50	T.	Lost Creek	80	15	43.2	3.88	2.0	Fontenelle	50	0	28.1	1.15	11.5
Shestons City	79	16	42.4	2.23	T.	Mannington	78	18	44.4	5.14	0.8	Fort Laramie	70	-5	38.8	0.60	0.5
Warsaw	76	20	44.6	2.52	T.	Martinsburg	77	16	38.6	2.18		Fort Washakie	64	0	35.0	1.90	16.5
Wilkinson	74	22	44.4	2.99	T.	Moorefield	83	14	44.8	1.38	3.5	Fourbear	57	-12	26.8	1.22	13.5
Woodstock	76	19	43.7	1.86	T.	Morgantown	80	17	43.2	4.32	1.5	Griggs	62	-15	34.7	1.15	6.8
Wytheville	77	18	45.0	2.54	T.	Moundsville	79	18	44.7	4.75	0.4	Hot Springs	65	-8	33.6	4.16	13.0
Washington						New Cumberland	76	14	39.9	5.61	T.	Hyattville	65	-13	36.6		
Aberdeen	58	28	40.9	15.66	6.2	New Cumberland	80	20	45.2	5.14	1.5	Khuball Ranch	60	-10	28.9	1.08	10.8
Anacortes						Nuttallburg	84	18	48.2	3.60		Laramie	57	-6	32.0	0.36	4.0
Ashford						Parsons	82	12	41.6	4.60	2.2	Leo	57	-4	31.8	0.74	5.0
Bellingham	58	26	42.5	3.63		Philippi	82	14	44.4	4.03	2.0	Lolabama Ranch	50	-20	26.4	0.87	10.0
Blaine	54	26	40.4	5.54	2.7	Pickens	79	11	41.7	6.10	8.0	Lusk	68	-7	33.8	0.50	5.0
Brinnon	57	26	39.6	17.89	5.0	Point Pleasant	81	19	48.4	5.36	T.	Marquette	55	-6	32.8	1.10	6.0
Cedonia	52	9	34.2	1.75	12.1	Powellton	83	11	40.6	2.55	0.5	Moore	63	-3	35.9	0.80	
Centralia	62	26	41.9	8.23	4.0	Princeton	78	17	43.8	6.10	5.0	Moorcroft	60	-10	32.6	1.14	2.0
Cheney	52	7	32.7	2.66	13.8	Romney	84	15	42.0	2.20	1.5	Phillips	67	-4	37.0	0.95	3.9
Clearbrook	59	25	40.0	5.31	3.0	Rowlesburg						Pine Bluff	70	0	37.5	T.	
Cle Elum	53	4	31.0	4.76	22.0	Ryan	82	7	45.6	4.66	1.5	Rawlins	56	2	32.6	1.29	12.9
Colfax	60	14	37.7	5.05		Southside	82	27	48.1	5.81	2.0	South Pass	43	-2	22.0	2.40	24.0
Colville	64	7	33.3	2.44	13.7	Terra Alta	88	10	42.6	5.96	7.0	Thayne	46	-10	26.8	3.88	18.2
Conconully	51	3	31.6	3.47	29.3	Upper tract	80	15	43.1	1.95		Wells	42	-19	19.9	3.83	50.6
Coupeville	58	27	42.0	3.15	2.5	Valley Fork	82	16	45.9	4.49	4.0	Yellowstone Pk. (G. Can.)	42	-25	19.0	5.60	
Crescent	51	11	33.0	3.16	13.5	Weston	74	13	39.4	4.97	1.0	Yellowstone Pk. (Lake)	45	-17	22.0	3.62	34.7
Danville	52	8	32.4	0.87	4.8	Wheeling a						Yellowstone Pk. (L. Basin)	44	-11	25.0	4.06	40.5
Dayton	64	23	40.0	5.46		Wheeling b	82	23	47.3	3.82	0.2	Porto Rico					
East Sound	54	22	40.0	4.80	1.7	Williamson	80	21	46.4	4.00		Adjuntas	86	50	68.2	9.96	
Ellensburg	55	11	33.9	2.32	8.5						Aguirre	89	63	76.5	4.43		
Ephrata	59	17	36.4	0.50	2.0						Arecibo	86	54	69.6	4.15		
Grandmound	59	20	41.0	9.90	2.8						Barros	85	52	68.8	7.75		
Granite Falls											Bayamon	95	60	77.6	4.30		
Horsecheuvn											Caguas	87	50	71.6	9.29		
Kennewick	69	21	43.3	1.94	1.8						Canovanas	86	66	76.2	7.40		
Lacenter	59	27	40.6	9.03							Cayey	84	52	68.4	7.30		
Lakeside	54	15	35.2	3.15	18.0						Cidra	87	51	70.0	19.45		
Lester	60	15	37.8	3.30	14.0						Coamo	89	52	71.8	5.96		
Lind	58	24	38.6	2.63	8.5						Fajardo	87	64	76.4	4.96		
Loomis	51	11	32.2	1.20	9.0						Guanica	88	57	73.4	4.88		
Mottinger Ranch	70	28	45.4	2.04	T.						Hacienda Colosa	88	57	73.4	7.22		
Mount Pleasant	59	25	41.14	10.23	1.8						Hacienda Josefia	87	64	76.0	11.23		
Moxee	62	18	38.2	0.76	3.8						Hacienda Perla	87	64	76.0	1.23		
Northport	50	3	31.1	2.10	21.0						Humacao	84	69	76.6	8.44		
Odessa	60	28	38.84	1.10	3.5						Isabela	84	62	73.2	4.68		

TABLE II.—*Climatological record of voluntary and other cooperating observers. Late reports for February—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Porto Rico—Cont'd.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>	<i>Colorado.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>
San Salvador.....	82	55	69.8	4.55		Glenwood Springs.....	63	-14	31.4	0.54	T.
Santa Isabel	86	61	74.6	2.76		Florida.					
Vieques.....	87	59	73.1	3.76		Plant City.....	87	32	65.3	4.52	
Yauco	83	60	73.8	6.30		<i>Idaho.</i>					
<i>Mexico.</i>						Roosevelt	38	-1	20.0	6.92	64.5
Coatzacoalcos	99	58	76.2	1.58		La Salle	63	-10	21.0	0.82	9.0
Durango	85	44	64.6	0.00		Minnesota.					
Leon de Aldamas.....	85	47	65.0	0.55		Rolling Green.....	38	-19	7.2	0.40	4.0
Vera Cruz	86	65	75.4	0.30		<i>Missouri.</i>					
<i>New Brunswick.</i>						Palmyra	66	-- 6	24.0	0.79	4.8
St. John.....	45	0	27.6	3.46	15.9	<i>Montana.</i>					
<i>Isthmus of Panama.</i>						Hamilton	52	8	32.6	0.41	6.5
Alajuela	97	68	83.4	0.59		St. Peter	47	-19	16.0	0.37	6.5
Bohio						Springbrook.....	41	-30	5.8	0.39	3.9
Colon						<i>New Jersey.</i>					
Gamboa						Toms River	66	-2	26.2	3.05	6.5
La Boca	87	71	79.0	5.00		<i>New Mexico.</i>					
<i>West Indies.</i>						Arabela	79	11	48.6	T.	T.
Columbia, Isle of Pines....	89	56	75.0	2.74		<i>New York.</i>					
<i>Late reports for February, 1904.</i>						King Ferry			2.00	11.4	
<i>Alaska.</i>						Pinehurst	71	15	40.6	4.20	T.
Fort Gibon	18	-51	-16.1	0.55	13.5	Spring Hope.....	76	14	38.4	5.25	5.0
Kenai	31	-27	5.8	0.29	3.5	<i>Utah.</i>					
Sunrise	31	-16	8.7	0.13	2.9	Escalante	69	2	36.4	0.38	3.0
<i>California.</i>						Chittenden			1.74	.....
Kernville						Hot Springs.....	65	-6	25.6	0.25	2.5
Paso Robles	77	23	47.8	4.86							

EXPLANATION OF SIGNS.

*Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

1 Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. + 4.

2 Mean of 8 a. m. + 8 p. m. + 2.

3 Mean of 7 a. m. + 7 p. m. + 2.

4 Mean of 6 a. m. + 6 p. m. + 2.

5 Mean of 7 a. m. + 2 p. m. + 2.

6 Mean of readings at various hours reduced to true daily mean by special tables.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston *a*," "Livingston *b*," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance "*a*" denotes 14 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

NOTE.—The following change has been made in the names of stations: Washington, Whatcom changed to Billingham.

TABLE III.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of March, 1904.*

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.
<i>New England.</i>													
Eastport, Me.	Hours.	Hours.	Hours.	Hours.	o	Hours.	North Dakota—Continued.	Hours.	Hours.	Hours.	Hours.	o	Hours.
Portland, Me.	21	15	9	31	n. 75 w.	23	Williston, N. Dak.	16	14	25	18	n. 74 e.	7
Concord, N. H. †	11	24	9	32	s. 61 w.	26	Upper Mississippi Valley.						
Northfield, Vt.	13	7	5	15	n. 59 w.	12	Minneapolis, Minn. *	13	7	12	9	n. 27 e.	7
Boston, Mass.	23	33	4	12	s. 39 w.	13	St. Paul, Minn.	20	12	26	21	n. 32 e.	9
Nantucket, Mass.	17	19	11	28	s. 83 w.	17	La Crosse, Wis. †.	12	10	9	8	n. 27 e.	2
Block Island, R. I.	19	17	17	23	n. 72 w.	6	Davenport, Iowa.	22	13	23	22	n. 6 e.	9
Narragansett, R. I. *	18	16	17	26	n. 77 w.	9	Des Moines, Iowa.	19	17	19	20	n. 27 w.	2
New Haven, Conn.	8	10	11	12	s. 27 w.	2	Dubuque, Iowa.	22	17	19	24	n. 45 w.	7
Albany, N. Y.	24	13	17	21	n. 20 w.	12	Keokuk, Iowa.	22	16	22	20	n. 18 e.	6
Binghamton, N. Y. †	22	22	11	21	w.	10	Cairo, Ill.	21	25	19	11	s. 63 e.	9
New York, N. Y.	11	6	11	10	n. 11 e.	5	Springfield, Ill.	18	24	19	20	s. 9 w.	6
Harrisburg, Pa.	22	14	20	24	n. 27 w.	9	Hannibal, Mo. †.	8	9	11	13	s. 63 w.	2
Philadelphia, Pa.	24	9	24	21	n. 11 e.	15	St. Louis, Mo.	16	20	25	16	s. 66 e.	10
Scranton, Pa.	31	14	18	18	n.	17	<i>Missouri Valley.</i>						
Atlantic City, N. J.	23	21	10	22	n. 81 w.	12	Columbia, Mo. *	9	7	12	11	n. 27 e.	2
Cape May, N. J.	24	14	20	19	n. 6 e.	10	Kansas City, Mo.	25	15	25	17	n. 39 e.	13
Baltimore, Md.	29	10	19	15	n. 12 e.	19	Springfield, Mo.	17	26	22	13	s. 45 e.	13
Washington, D. C.	34	12	18	14	n. 10 e.	22	Topeka, Kans. *	14	7	12	4	n. 49 e.	11
Cape Henry, Va. †	15	10	11	4	n. 54 e.	9	Lincoln, Nebr.	25	20	20	11	n. 61 e.	10
Lynchburg, Va.	23	16	20	21	n. 8 w.	7	Omaha, Nebr.	28	16	15	15	s. 12 w.	12
Norfolk, Va.	26	16	23	9	n. 49 e.	18	Valentine, Nebr.	24	15	19	18	n. 6 e.	9
Richmond, Va.	29	15	19	13	n. 23 e.	15	Sioux City, Iowa †.	12	8	11	6	n. 51 e.	6
Wytheville, Va.	15	6	19	30	n. 51 w.	14	Pierre, S. Dak.	24	8	27	16	n. 34 e.	19
<i>South Atlantic States.</i>													
Asheville, N. C.	20	23	19	18	s. 18 e.	3	Huron, S. Dak.	25	12	23	17	n. 25 e.	14
Charlotte, N. C.	20	19	25	14	n. 85 e.	11	Yankton, S. Dak. †.	9	2	15	11	n. 30 e.	8
Hatteras, N. C.	24	16	24	14	n. 51 e.	13	<i>Northern Slope.</i>						
Kittyhawk, N. C. *							Havre, Mont.	22	11	20	27	n. 32 w.	13
Raleigh, N. C.	26	15	19	17	n. 10 e.	11	Miles City, Mont.	36	12	10	17	n. 16 w.	25
Wilmington, N. C.	24	22	14	17	n. 56 w.	4	Helena, Mont.	13	21	6	37	s. 76 w.	32
Charleston, S. C.	16	20	26	16	s. 68 e.	11	Kalispell, Mont.	8	19	12	31	s. 60 w.	22
Columbia, S. C.	16	16	25	16	e.	9	Rapid City, S. Dak.	20	11	19	24	n. 29 w.	10
Augusta, Ga.	22	15	21	23	n. 16 w.	7	Cheyenne, Wyo.	21	17	6	34	n. 82 w.	28
Savannah, Ga.	15	21	21	18	s. 27 e.	7	Lander, Wyo.	20	19	15	22	n. 82 w.	7
Jacksonville, Fla.	17	23	24	17	s. 49 e.	9	Yellowstone Park, Wyo.	9	38	4	28	s. 40 w.	38
<i>Florida Peninsula.</i>													
Jupiter, Fla.	17	23	24	13	s. 61 e.	12	North Platte, Neb.	17	16	19	22	n. 72 w.	3
Key West, Fla.	20	8	41	4	n. 72 e.	39	<i>Middle Slope.</i>						
Sand Key, Fla. †	12	6	20	3	n. 71 e.	18	Denver, Colo.	23	26	10	15	s. 59 w.	6
Tampa, Fla.	19	12	17	24	n. 45 w.	10	Pueblo, Colo.	23	12	26	26	n. 36 w.	14
<i>Eastern Gulf States.</i>													
Atlanta, Ga.	20	21	29	17	s. 72 e.	3	Concordia, Kans.	19	23	19	9	s. 68 e.	11
Macon, Ga. †	11	8	7	11	n. 53 w.	5	Dodge, Kans.	23	19	15	15	n. 45 e.	6
Pensacola, Fla. †	7	11	13	5	s. 63 e.	9	Wichita, Kans.	23	20	22	6	n. 79 e.	16
Birmingham, Ala. †	7	11	13	6	s. 60 e.	8	Oklahoma, Okla.	17	31	16	12	s. 16 e.	15
Mobile, Ala.	16	34	13	9	s. 13 e.	18	<i>Southern Slope.</i>						
Montgomery, Ala.	13	29	20	17	s. 11 e.	16	Abilene, Tex.	16	35	11	9	s. 6 e.	19
Meridian, Miss. †	10	13	9	7	s. 34 e.	4	Amarillo, Tex.	13	34	8	22	s. 34 w.	25
Vicksburg, Miss.	13	35	22	7	s. 34 e.	27	<i>Southern Plateau.</i>						
New Orleans, La.	13	34	18	9	s. 23 e.	23	El Paso, Tex.	19	4	8	45	n. 68 w.	40
<i>Western Gulf States.</i>													
Shreveport, La.	13	34	27	6	s. 45 e.	30	Santa Fe, N. Mex.	19	24	11	27	s. 73 w.	17
Fort Smith, Ark.	15	11	32	11	n. 79 e.	21	Flagstaff, Ariz.	13	23	3	39	s. 74 w.	37
Little Rock, Ark.	19	21	23	13	s. 79 e.	10	Phoenix, Ariz.	10	10	24	27	w.	3
Corpus Christi, Tex.	9	37	32	4	s. 45 e.	40	Yuma, Ariz.	12	12	9	37	w.	28
Fort Worth, Tex.	18	32	12	11	s. 4 e.	14	Independence, Cal.	22	18	8	28	n. 79 w.	20
Galveston, Tex.	10	42	18	3	s. 25 e.	35	<i>Middle Plateau.</i>						
Palestine, Tex.	17	35	12	8	s. 13 e.	18	Carson City, Nev.	8	30	11	27	s. 36 w.	27
San Antonio, Tex.	17	28	34	6	s. 68 e.	30	Winemucca, Nev.	14	21	9	29	s. 68 w.	18
Taylor, Tex. †	12	16	6	1	s. 51 e.	6	Modena, Utah.	14	21	9	34	s. 74 w.	26
<i>Ohio Valley and Tennessee.</i>													
Chattanooga, Tenn.	19	21	18	14	s. 63 e.	4	Salt Lake City, Utah.	17	27	20	15	s. 27 e.	11
Knoxville, Tenn.	27	16	10	23	n. 50 w.	17	Grand Junction, Colo.	23	13	14	25	n. 48 w.	15
Memphis, Tenn.	21	24	20	9	s. 75 e.	11	<i>Northern Plateau.</i>						
Nashville, Tenn.	20	20	23	13	e.	10	Baker City, Oreg.	12	34	25	13	s. 29 e.	25
Lexington, Ky. †	9	12	8	9	s. 18 w.	3	Boise, Idaho.	10	30	25	13	s. 31 e.	23
Louisville, Ky.	18	19	18	18	s.	1	Lewiston, Idaho †.	5	4	18	9	D. 84 e.	9
Evansville, Ind. †	11	9	14	6	n. 76 e.	8	Pocatello, Idaho.	1	28	20	20	s. 17 e.	28
Indianapolis, Ind.	15	24	16	21	s. 40 w.	8	Spokane, Wash.	8	33	23	11	s. 26 e.	28
Cincinnati, Ohio.	15	20	22	19	s. 31 e.	6	Walla Walla, Wash.	7	42	12	12	s.	35
Columbus, Ohio.	12	23	23	20	s. 15 e.	11	<i>North Pacific Coast Region.</i>						
Pittsburg, Pa.	22	24	15	18	s. 56 w.	4	North Head, Wash.	8	25	27	13	s. 39 e.	22
Parkersburg, W. Va.	16	24	13	23	s. 51 w.	13	Port Crescent, Wash. *	9	8	13	12	D. 45 e.	1
Elkins, W. Va.	15	18	5	31	s. 83 w.	26	Seattle, Wash.	15	25	26	10	s. 58 e.	19
<i>Lower Lake Region.</i>													
Buffalo, N. Y.	10	19	13	29	s. 61 w.	18	Tacoma, Wash.	17	29	3	24	s. 60 w.	24
Oswego, N. Y.	10	27	16	20	s. 13 w.	18	Tatoosh Island, Wash.	3	20	30	16	s. 39 e.	22
Rochester, N. Y.	7	23	11	31	s. 51 w.	26	Portland, Oreg.	8	31	19	18	s. 3 c.	23
Syracuse, N. Y.	10	25	14	23	s. 31 w.	18	Roseburg, Oreg.	9	34	10	26	s. 33 w.	30
Erie, Pa.	16	22	9	25	s. 69 w.	17	<i>Middle Pacific Coast Region.</i>						
Cleveland, Ohio.	14	25	21	20	s. 5 e.	11	Eureka, Cal.	11	31	15	18	s. 9 w.	20
Sandusky, Ohio. †	7	10	6	14	s. 69 w.	8	Mount Tamalpais, Cal.	12	23	6	36	s. 70 w.	32
Toledo, Ohio.	11	19	21	23	s. 14 w.	8	Red Bluff, Cal.	12	31	25	19	s. 38 e.	24
Detroit, Mich.	17	19	20	20	s.	2	Sacramento, Cal.	12	21	12	36	s. 6 e.	28
<i>Upper Lake Region.</i>													
Alpena, Mich.	16	18	22	21	s. 27 e.	2	San Francisco, Cal.	6	21	12	36	s. 58 w.	28
Escanaba, Mich.	29	16	16	14	n. 9 e.	13	Point Reyes Light, Cal. *	6	14	3	14	s. 54 w.	14
Grand Rapids, Mich.	16	16	25	18	e.	7	Southeast Farallon, Cal. *	6	14	4	14	s. 51 w.	13
Houghton, Mich. †	7	6	14	11	n. 72 e.	3	<i>South Pacific Coast Region.</i>						
Marquette, Mich.	23	16	17	23	n. 41 w.	9	Fresno, Cal.	31	12	14	23	b. 25 w.	21
Port Huron, Mich.	15	26	15	20	s. 24 w.	12	Los Angeles, Cal.	16	11	20	28	b. 53 w.	9
Sault Ste. Marie, Mich.	17	10	27	24	n. 23 e.	8	San Diego, Cal.	31	9	10	29	b. 41 w.	29
Chicago, Ill.	19	19	17	18	w.	8	San Luis Obispo, Cal.	27	11	2			

TABLE IV.—*Thunderstorms and auroras, March, 1904.*

States.	No. of stations.	Total																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No. Days.		
Alabama.....	60	T. A.	1 4 7 1 3							3	1	3	11	7	2		3	2		5 1	3 1	7	3	1	1	6	3		1	78 1 1 8 4 0	22 1 1 7 T. A.				
Arizona.....	56	T. A.																																	
Arkansas.....	57	T. A.	3 1 1 1 2							7	1	16	6			7	14	1	6	16	7	13	2	11	12	3		1 1 9	142 0 0 0 0	24 0 0 0 T.					
California.....	167	T. A.								2 4	1		2																						
Colorado.....	70	T. A.																																	
Connecticut.....	21	T. A.																																	
Delaware.....	5	T. A.																																	
Dist. of Columbia.....	4	T. A.																																	
Florida.....	61	T. A.	1 5 5	1	3	5					1		1	10	2		2		3	4	2			2	5	7	4			63 0 0	18 0 A.				
Georgia.....	67	T. A.	6 8 13	2		2	1				2		8	10					1		9	3	11	2		6					84 0 0	15 0 A.			
Idaho.....	34	T. A.								1	5					1			3	3												13 5	T. A.		
Illinois.....	84	T. A.	13 13		2					14		10	1			1	3	7	33	30		36	30	3		4	32	44	281 0 0	17 0 A.					
Indiana.....	58	T. A.	4 17 17			1	1			10		3	1			1	11		10	30		10	33	10					18 29 206	17 0 T.					
Indian Territory.....	20	T. A.								1							2	3	1	1	1			2	1						1 1 14	10 0 T.			
Iowa.....	128	T. A.	2 2										1									28	1	2	52	1			2	7	11	109 0 0	11 0 A.		
Kansas.....	88	T. A.	1 1							11	10		1				5	11	1	1	11	1		3	24	2			1	1	10	5	100 0 0	18 0 A.	
Kentucky.....	41	T. A.	1 10			1	1			1	10		2				1	1	10	4	12	14	2	1	7	10			4	1	93 0	19 0 T.			
Louisiana.....	46	T. A.	5 1 3	1	3	9				3	1		9	3		1	12	10	7	8	3	7	10		1	10	1		1	2	111 0 0	23 0 T.			
Maine.....	25	T. A.	8																					2									10 0 2	T. A.	
Maryland.....	42	T. A.	2			3																											1 16 7	T. A.	
Massachusetts.....	48	T. A.	3				2	1																									7 0 0	4 0 A.	
Michigan.....	106	T. A.	32 12													1		1	1	1	3	22		6	12					5 95 0	10 0 A.				
Minnesota.....	67	T. A.																		2	9	1	4	1						1 18 6	T. A.				
Mississippi.....	57	T. A.	9 2			5	1			4	2	4	11	2		1	12	2	1	10	5	9	3	1	1	10	1		1 98 0	23 0 T.					
Missouri.....	86	T. A.	1			1	1			1	18	1	5	28	1		7	11		10	13	35	19	1	55	24	1		2	36	41	312 0 0	22 0 A.		
Montana.....	54	T. A.				1																										1 1 1	T. A.		
Nebraska.....	137	T. A.				1	1	1	1	11	3		7			1			2			15								1 4 5	67 0 T.				
Nevada.....	40	T. A.		3			1	2																								13 7 T.	A.		
New Hampshire.....	21	T. A.		4																			2									7 3 T.	A.		
New Jersey.....	48	T. A.	1 2		1														1													6 5 0	T. A.		
New Mexico.....	31	T. A.																	1													1 2 2	T. A.		
New York.....	129	T. A.	6 6 34				1											1				3	24	23		10				7 115 1	10 0 A.				
North Carolina.....	56	T. A.	3 3 4	2			7	3	1	6	9		5	21	1		1	8	1	3	3	6	10	5	1	3	4		1 110 0	23 0 A.					
North Dakota.....	48	T. A.																						2								2 1 1	A.		
Ohio.....	101	T. A.	3 24 39	2	1	2											1	1	1	1	2		3	55	2	5	36	29	2	1 1 16 42	20 6 A.				
Oklahoma.....	86	T. A.								3								1	1	1	2			5									13 6 T.	A.	
Oregon.....	70	T. A.	1							1	1	1						1	4	1													10 7 T.	A.	
Pennsylvania.....	91	T. A.	5 1 25																													9 83 1	9 9 T.		
Rhode Island.....	6	T. A.	1																														1 1 0	T. A.	
South Carolina.....	51	T. A.	8 10 16	4		3	4			1	4		7	18			1			9	2	16	12		11	1			1 128 0	18 0 A.					
South Dakota.....	56	T. A.										1									2		3	1							6 3 3	T. A.			
Tennessee.....	56	T. A.	12 5 2			1						22	4	2	19	9		4	3	9	6	22	29	10		3	8	1		1 3 0	21 0 A.				
Texas.....	126	T. A.	1		1	2	1					5	11			7	11	13	9	5	8	3	2	7	7	8	1		1 103 0	19 0 A.					
Utah.....	64	T. A.							6	7										9		1	10									9 9 7 1	9 9 9 T.		
Vermont.....	12	T. A.				5																											13 3 3	T. A.	
Virginia.....	40	T. A.	7 1				4	1			8							5					9	6		1					0 42 0	9 0 T.			
Washington.....	71	T. A.	1							1	1	2				5	1														0 0 11	6 0 A.			
West Virginia.....	47	T. A.	6 16		1													1	25	8	3	1	2								4 67 2	10 2 A.			
Wisconsin.....	63	T. A.	1 27	1	2	1				1										1	12	8	1	21	2					1 76 3	11 2 A.				
Wyoming.....	38	T. A.							3											3		1									4 0 0	12 5 T.			
Sums.....	2993	T. A.	82 1	163 1	245 6	24 3	8 2	40 0	40 0	23 0	35 0	120 0	39 1	46 0	134 0	86 0	6 1	38 0	93 0	54 0	85 0	120 1	227 0	361 0	144 0	283 0	197 1	131 0	21 0	20 1	37 1	159 0	228 1	3,289 19	T. A.

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during March, 1904, at all stations furnished with self-registering gages.

Stations.	Date.	Total duration.		Total amount of precipita- tion.	Excessive rate.		Amount before excessive be- gan.	Depths of precipitation (in inches) during periods of time indicated.												
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.
Albany, N. Y.	1	2	3	4	5	6	7													*
Alpena, Mich.	31			0.66																0.09
Amarillo, Tex.	3			0.35																
Asheville, N. C.	6-7			2.02																0.41
Atlanta, Ga.	13			0.76																0.43
Atlantic City, N. J.	11			0.37																0.17
Augusta, Ga.	23-24	7:37 p. m.	8:45 a. m.	2.19	4:27 a. m.	5:25 a. m.	0.87	0.15	0.34	0.56	0.61	0.66	0.67	0.68	0.70	0.72	0.78			0.97
Baltimore, Md.	7			0.93																0.22
Binghamton, N. Y.	31			0.58																0.34
Birmingham, Ala.	6			1.05																0.59
Bismarck, N. Dak.	24-25			0.42																*
Block Island, R. I.	7-8			0.35																*
Boise, Idaho.	28-29			2.46																0.34
Boston, Mass.	7-8			0.76																0.22
Buffalo, N. Y.	25-26			0.98																0.30
Cairo, Ill.	31			1.01																
Charleston, S. C.	23-24			0.67																0.48
Charlotte, N. C.	22			0.45																0.28
Chattanooga, Tenn.	22-23			1.45																0.47
Chicago, Ill.	24-25			0.85																*
Cincinnati, Ohio.	25-26			2.07																1.05
Cleveland, Ohio.	25-26			1.40																0.35
Columbia, Mo.	24			1.27																
Columbia, S. C.	26-27			0.97																0.55
Columbus, Ohio.	25-26			1.63																0.62
Concord, N. H.	7-8			1.19																0.05
Corpus Christi, Tex.	26-27			0.11																
Davenport, Iowa.	30-31			0.69																*
Denver, Colo.	30-31			0.30																*
Des Moines, Iowa.	24			0.32																
Detroit, Mich.	2			0.27																0.20
Dodge, Kans.	5			0.04																
Dubuque, Iowa.	21		1:00 a. m.	6.45 p. m.	9:12 a. m.	9:40 a. m.	0.15	0.12	0.31	0.45	0.54	0.58	0.63							
Duluth, Minn.	2			0.67																0.23
Eastport, Me.	7-8			1.60																0.44
Elkins, W. Va.	3			0.78																0.21
Erie, Pa.	30-31			0.76																0.43
Escanaba, Mich.	24			0.91																
Evansville, Ind.	25		2:05 a. m.	7:50 a. m.	1.92	6:07 a. m.	6:31 a. m.	1.32	0.06	0.19	0.37	0.47	0.55							0.19
Fort Smith, Ark.	24		3:32 p. m.	6:35 p. m.	0.96	4:24 p. m.	4:59 p. m.	T.	0.09	0.15	0.26	0.37	0.54	0.66	0.77	0.78	0.81			0.08
Fort Worth, Tex.	25		12:45 p. m.	9:15 a. m.	2.32	12:47 a. m.	1:00 a. m.	T.	0.31	0.69	0.81	0.83								0.30
Galveston, Tex.	19		5:45 a. m.	9:15 a. m.	0.22	8:03 a. m.	8:52 a. m.	0.03	0.12	0.50	0.78	0.98	1.19	1.75	1.99	2.14	2.21	2.24	2.27	
Grand Junction, Colo.	28-29			0.25																*
Grand Rapids, Mich.	21-22			0.46																0.30
Green Bay, Wis.	24			0.90																*
Harrisburg, Pa.	7			0.77																0.33
Hatteras, N. C.	14			0.50																0.53
Huron, S. Dak.	30-31			0.10																0.02
Indianapolis, Ind.	25-26		7:54 a. m.	12:45 a. m.	4.74	12:07 p. m.	1:42 p. m.	1.39	0.15	0.26	0.32	0.44	0.57	0.70	0.76	0.83	0.90	0.94	1.04	1.35
Jacksonville, Fla.	31		8:40 p. m.	11:45 p. m.	2.52	8:50 p. m.	9:56 p. m.	0.03	0.09	0.33	0.66	0.91	1.08	1.16	1.26	1.38	1.52	1.64	1.76	1.89
Jupiter, Fla.	27			0.48																*
Kalispell, Mont.	29		2:10 a. m.	8:12 a. m.	1.87	2:27 a. m.	3:20 a. m.	0.03	0.08	0.15	0.45	0.57	0.76	0.88	0.98	1.00	1.13	1.36	1.45	
Kansas City, Mo.	24		12:05 p. m.	3:15 p. m.	1.79	2:01 p. m.	2:41 p. m.	0.16	0.31	0.43	0.56	0.90	1.15	1.30	1.39	1.58	1.60			
Key West, Fla.	30		12:45 a. m.	6:10 a. m.	1.44	1:12 a. m.	2:00 a. m.	0.07	0.06	0.20	0.36	0.41	0.49	0.59	0.79	0.84	0.93	0.96		
Knoxville, Tenn.	21																			0.27
La Crosse, Wis.	24																			0.31
Lewiston, Idaho.	10																			0.22
Lexington, Ky.	26																			*
Lincoln, Nebr.	11-12																			0.57
Little Rock, Ark.	16-17																			0.51
Los Angeles, Cal.	10-11																			
Louisville, Ky.	25-26		10:05 p. m.	D. N.	1.15	11:05 p. m.	11:25 p. m.	0.01	0.05	0.34	0.50	0.55								0.33
Lynchburg, Va.	6-7																			0.14
Macon, Ga.	6-7																			0.26
Memphis, Tenn.	25-26		11:02 p. m.	D. N.	1.96	11:04 p. m.	12:01 a. m.	T.	0.18	0.25	0.34	0.56	0.63	0.70	0.76	0.88	0.95	0.99	1.13	
Meridian, Miss.	20																			0.52
Milwaukee, Wis.	30-31																			0.18
Montgomery, Ala.	26																			0.26
Nantucket, Mass.	23																			0.23
Nashville, Tenn.	26																			0.53
New Haven, Conn.	7-8																			*
New Orleans, La.	17		4:40 p. m.	11:10 p. m.	2.91	5:50 p. m.	6:50 p. m.	0.01	0.06	0.35	0.57	0.80	1.21	1.61	1.70	1.83	1.99	2.07	2.20	
New York, N. Y.	7																			0.23
Norfolk, Va.	7																			0.72
Northfield, Vt.	7-8																			*
North Head, Wash.	4-5																			0.25
Oklahoma, Okla.	16																			0.17
Omaha, Nebr.	30																			0.23
Palestine, Tex.	16																			*
Parkersburg, W. Va.	22		4:35 p. m.	10:00 p. m.	1.17	4:38 p. m.	4:47 p. m.	T.	0.28	0.51	0.55									0.18
Pensacola, Fla.	19																			0.22
Philadelphia, Pa.	7																			*
Pittsburgh, Pa.	3																			*
Pocatello, Idaho.	17-18																			*
Portland, Me.	7-8																			0.19
Portland, Oreg.	3																			0.15
Pueblo, Colo.	31																			0.58
Raleigh, N. C.	6-7					</														

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, etc.—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
San Francisco, Cal.	1 9-10	2	3	4 1.32	5	6	7														0.31
Savannah, Ga.	24			0.53																	0.45
Scranton, Pa.	7-8			0.50																	0.16
Seattle, Wash.	10			0.24																	0.15
Shreveport, La.	20			0.58																	0.48
Spokane, Wash.	13-14			0.59																	*
Springfield, Ill.	24	7:55 p. m.	9:55 p. m.	0.82	8:45 p. m.	8:56 p. m.	0.06	0.33	0.53	0.60	0.61										
Springfield, Mo.	30	7:51 p. m.	10:43 p. m.	1.03	8:10 p. m.	8:40 p. m.	0.02	0.06	0.13	0.27	0.39	0.63	0.77	0.79							
Syracuse, N. Y.	6-7			0.40																	*
Tampa, Fla.	7			0.30																	
Taylor, Tex.	18			0.44																	0.39
Toledo, Ohio	30-31			0.79																	0.29
Topeka, Kans.	24			1.03																	*
Valentine, Nebr.	9-10			0.60																	*
Vicksburg, Miss.	6	1:10 a. m.	5:05 a. m.	1.51	1:30 a. m.	1:55 a. m.	0.05	0.08	0.22	0.38	0.46	0.50	0.53	0.56	0.60						0.19
Washington, D. C.	7			0.97																	
Wichita, Kans.	24	12:10 a. m.	11:57 a. m.	1.95	5:37 a. m.	6:10 a. m.	0.55	0.08	0.15	0.30	0.47	0.59	0.67	0.70							
Wilmington, N. C.	14	5:05 a. m.	8:35 a. m.	0.77	6:42 a. m.	7:01 a. m.	0.09	0.07	0.22	0.46	0.63										*
Wytheville, Va.	6-7			1.01																	*
Yankton, S. Dak.	21			0.43																	*
Havana, Cuba	16			0.63																	0.57
San Juan, Porto Rico	10	4:00 p. m.	5:30 p. m.	0.51	4:30 p. m.	4:49 p. m.	0.04	0.18	0.25	0.40	0.45										

* Self register not working.

† No precipitation during the month.

‡ February 29 to March 1.

TABLE VI.—Data furnished by the Canadian Meteorological Service, March, 1904.

Stations.	Pressure, in inches.				Temperature.				Precipitation.			Stations.	Pressure, in inches.				Temperature.				Precipitation.			
	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.	Depth of snow.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.	Depth of snow.				
	St. Johns, N. F.	In. 29.74	In. 29.88	.00	24.3 — 3.4	32.4	16.1	5.34	+0.58		In. 13.0	In. 29.27	In. 29.99	—.03	24.0 + 2.9	33.7	14.2	3.15	In. 29.27	In. 29.99	—.03	In. 29.27	In. 29.99	—.03
Sydney, C. B. I.	29.96	30.00	+1.12	24.7 — 1.5	32.9	16.4	3.25	-1.68	19.5	In. 29.33	In. 30.06	+.01	18.4 + 1.6	28.6	8.2	1.14	+0.17	7.8						
Halifax, N. S.	29.94	30.05	+1.11	29.0 0.0	36.4	21.6	5.59	+0.13	9.6	In. 29.44	In. 30.07	+.02	18.5 + 1.6	28.7	8.3	1.15	+0.18	7.9						
Grand Manan, N. B.	29.94	30.00	+0.07	29.9 + 0.1	37.3	22.5	5.33	+1.05	22.7	In. 29.55	In. 30.08	+.03	18.6 + 1.6	28.8	8.4	1.16	+0.19	8.0						
Yarmouth, N. S.	29.88	30.05	+1.10	29.9 — 0.9	36.0	23.7	2.73	-2.12	7.6	In. 29.66	In. 30.11	+.04	18.7 + 1.6	28.9	8.5	1.17	+0.20	8.1						
Charlottetown, P. E. I.	29.35	29.99	+0.09	23.9 — 1.5	31.9	15.8	3.98	+0.77	21.2	In. 29.74	In. 30.27	+.05	18.8 + 1.6	29.0	8.6	1.18	+0.21	8.2						
Chatham, N. B.	29.99	30.02	+1.12	23.7 + 0.7	35.4	11.9	3.39	-0.08	19.9	In. 29.83	In. 30.30	+.06	18.9 + 1.6	29.1	8.7	1.19	+0.22	8.3						
Father Point, Que.	29.95	29.98	+0.08	21.0 + 0.7	29.4	12.5	3.97	+1.24	34.1	In. 29.90	In. 30.37	+.07	19.0 + 1.6	29.3	8.8	1.20	+0.23	8.4						
Quebec, Que.	29.69	30.03	+0.07	21.7 + 0.5	35.4	13.6	4.03	+0.77	21.3	In. 29.95	In. 30.42	+.08	19.1 + 1.6	29.4	8.9	1.21	+0.24	8.5						
Montreal, Que.	29.84	30.06	+0.06	24.1 + 0.3	31.1	17.1	4.01	+0.22	15.9	In. 29.99	In. 30.47	+.09	19.2 + 1.6	29.5	9.0	1.22	+0.25	8.6						
Bissett, Ont.										In. 29.99	In. 30.52	+.10	19.3 + 1.6	29.6	9.1	1.23	+0.26	8.7						
Ottawa, Ont.	29.70	30.04	+0.03	24.0 + 2.5	31.9	16.1	4.66	+1.94	17.8	In. 29.99	In. 30.56	+.11	19.4 + 1.6	29.7	9.2	1.24	+0.27	8.8						
Kingston, Ont.	29.74	30.07	+0.06	26.5 + 0.9	33.8	19.1	3.30	+0.66	6.0	In. 29.99	In. 30.60	+.12	19.5 + 1.6	29.8	9.3	1.25	+0.28	8.9						
Toronto, Ont.	29.67	30.07	+0.05	28.7 + 1.4	35.4	22.0	2.98	+0.34	6.5	In. 29.99	In. 30.64	+.13	19.6 + 1.6	29.9	9.4	1.26	+0.29	9.0						
White River, Ont.	28.71	30.08	+0.05	13.6 + 1.4	27.7	0.5	1.15	-0.23	11.0	In. 29.99	In. 30.68	+.14	19.7 + 1.6	30.0	9.5	1.27	+0.30	9.1						
Port Stanley, Ont.	29.38	30.04	+0.01	30.1 + 2.9	37.2	22.9	4.05	+1.17	13.4	In. 29.99	In. 30.72	+.15	19.8 + 1.6	30.1	9.6	1.28	+0.31	9.2						
Saugeen, Ont.	29.31	30.04	+0.01	26.2 + 1.5	34.7	17.6	3.56	+0.91	12.3	In. 29.99	In. 30.76	+.16	19.9 + 1.6	30.2	9.7	1.29	+0.32	9.3						

TABLE VII.—Heights of rivers referred to zeros of gages, March, 1904.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.	Mean.	Monthly range.	
Mississippi River.	Miles.	Feet.	Feet.		Feet.		Feet.		James River.	Miles.	Feet.	Feet.		Feet.		Feet.		
St. Paul, Minn. ¹	1,954	14							Lamoure, N. Dak. ²	25								
Red Wing, Minn. ²	1,914	14							Huron, S. Dak. ²	210	25							
Reeds Landing, Minn.	1,884	12	3.6	30,31	0.7	7-18	1.5	2.9	Townsend, Mont. ⁷	2,504	10	4.4	15	3.5	25	4.0	0.9	
La Crosse, Wis. ²	1,819	12							Fort Benton, Mont. ⁶	2,285	12	5.9	25	1.5	22,28,30	3.7	4.4	
Prairie du Chien, Wis. ²	1,759	13							Bismarck, N. Dak.	1,309	14	6.3	24,25	0.5	2	3.2	5.8	
Dubuque, Iowa ³	1,699	18	10.2	26	8.0	30			Pierre, S. Dak. ⁸	1,114	19	5.3	22	1.8	27		3.5	
Leclaire, Iowa ⁴	1,609	10	7.1	27	5.3	23,31	1.8		Sioux City, Iowa ⁹	784	18	12.4	20	5.8	29-31		6.6	
Davenport, Iowa ⁴	1,593	15	10.9	27	9.2	31			Omaha, Nebr. ¹⁰	669	10	9.6	22	6.4	30		3.2	
Muscatine, Iowa	1,562	16	13.2	28	5.1	1	8.6	8.1		Plattsmouth, Nebr.	481	17	5.7	29	5.7	15-17	4.0	2.8
Galland, Iowa ⁵	1,472	8	7.2	30	2.5	12	4.2	4.7		St. Joseph, Mo.	641	21	5.4	23,24	0.9	4	2.7	4.5
Keokuk, Iowa ⁵	1,463	15	12.4	29,30	5.3	15,16	8.1	7.1		Kansas City, Mo.	38							

TABLE VII.—Heights of rivers referred to zeros of gages—Continued.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.			
Clarion River.	Miles. Clarion, Pa.	Feet. 32	Feet. 10	13.9	3	2.0	18	5.4	11.9	Merrimac River—Cont'd.	Miles. Concord, N. H. ¹²	Feet. 4.7	.....	2.3	.....	Feet. 31	3.5	2.4
Canaugh River.										Manchester, N. H.	68	.....	4.7	13	2.3	31		
Johnstown, Pa.	64	7	10.0	3	2.6	19	4.2	7.4	Connecticut River.	Wells River, Vt. ¹²	255	.....	13.4	27	9.3	24	.....
Cheat River.									White River Junction, Vt. ¹³	209	.....	13.4	27	9.3	24	.....	4.1	
Rowlesburg, W. Va.	36	14	6.0	4	2.8	14	3.9	3.2	Bellows Falls, Vt.	170	12	8.2	27	1.1	3	3.3	7.1	
Youghiogheny River.									Holyoke, Mass.	84	9	9.5	27	0.4	4	2.8	9.1	
Confluence, Pa.	59	23	6.6	23	1.5	18	3.1	5.1	Hartford, Conn.	50	13	19.5	28	5.0	3	9.8	14.5	
West Newton, Pa.	15	10	13.6	1	2.0	17, 18	5.1	16.6	Housatonic River.	Gaylordsville, Conn.	50	15	9.4	8	4.9	19	6.2	4.5
Monongahela River.									Mohawk River.	Utica, N. Y. ¹⁴	98	.....	10.2	28	1.7	-2, 19	5.7	8.5
Weston, W. Va.	161	18	6.6	7	-0.3	19, 20	0.5	6.9	Fort Hunter, N. Y.	42	.....	24.0	9	6.7	31	17.5	17.3	
Fairmont, W. Va.	119	25	20.6	7	15.5	31	17.1	5.1	Schenectady, N. Y.	19	.....	14.0	27	2.0	1, 2	5.2	12.0	
Greensboro, Pa.	81	18	15.2	4	8.4	31	10.5	6.8	Hudson River.	Glen's Falls, N. Y.	197	.....	9.3	27, 28	5.4	3	7.3	3.9
Lock No. 4, Pa.	40	28	20.2	24	8.7	31	12.5	11.5	Mechanicsville, N. Y.	166	.....	4.3	27	1.0	2, 22	3.2	3.3	
Ohio River.									Troy, N. Y.	154	.....	17.3	27	5.9	3, 4	9.5	11.4	
Pittsburg, Pa.	966	22	26.9	4	5.2	18, 19	12.5	21.7	Albany, N. Y.	147	.....	13.8	27	4.1	1	6.9	9.7	
Davis Island Dam, Pa.	960	25	24.9	4	7.1	19	13.0	17.8	Stuyvesant, N. Y.	128	.....	5.0	8, 29	1.0	14	3.2	4.0	
Beaver Dam, Pa.	935	27	37.0	4	9.4	18	19.2	27.6	Passaic River.	Chatham, N. J.	69	.....	7.6	7	3.0	17, 18	4.2	4.6
Wheeling, W. Va.	875	36	38.5	5	9.3	19	20.2	29.2	Pompton River.	Pompton Plains, N. J. ¹⁵	6	.....	.....	.....	.....	.....	.....	.....
Parkersburg, W. Va.	785	36	39.3	5	9.6	20	22.9	29.7	East Branch Susquehanna.	Binghamton, N. Y.	306	16	17.8	27	3.1	2, 3	7.8	14.7
Point Pleasant, W. Va.	703	39	40.8	7	12.2	20	26.1	28.6	Towanda, Pa.	262	16	17.0	27	1.8	3	6.6	15.2	
Huntington, W. Va.	660	50	43.1	8	16.4	20, 21	29.9	26.7	Wilkesbarre, Pa.	183	17	30.6	9	8.5	23	17.0	22.1	
Catlettsburg, Ky.	651	50	44.3	9	15.9	21	30.4	28.4	West Branch Susquehanna.	Lockhaven, Pa. ¹⁶	65	12	12.5	4	1.2	19, 20	3.5	11.3
Portsmouth, Ohio.	612	50	45.3	8	17.4	21	31.8	27.9	Williamsport, Pa.	39	20	19.0	4	2.7	1	8.3	16.3	
Cincinnati, Ohio.	499	50	45.9	9	19.7	23	34.6	26.2	Susquehanna River.	Selinsgrove, Pa.	116	17	12.0	27, 28	2.7	1	6.8	9.3
Madison, Ind.	413	46	40.2	23	18.0	22	29.8	22.2	Harrisburg, Pa.	69	17	23.3	4	4.7	19, 20	10.5	18.6	
Louisville, Ky.	367	28	22.9	28	8.2	22	13.8	14.7	Juniata River.	Huntingdon, Pa.	90	24	11.0	3	4.1	17	5.4	6.9
Evansville, Ind.	184	35	39.3	31	17.4	1	28.8	21.9	Potomac River.	Cumberland, Md.	260	18	6.6	8	1.7	1	2.5	4.9
Paducah, Ky.	47	40	41.3	31	16.3	1	27.5	25.0	Harpers Ferry, W. Va.	172	18	8.0	9	1.8	21, 22	3.3	6.2	
Cairo, Ill.	1	45	46.8	31	22.3	1-3	32.5	24.5	Shenandoah River.	Riverton, Va.	58	22	.....	.....	.....	.....	.....	.....
Beaver River.									James River.	Danville, Va.	55	8	2.0	8	-0.1	5, 6, 21	0.3	2.1
Ellwood Junction, Pa.	10	14	22.8	1	3.2	19	6.0	19.6	Roanoke River.	Clarksville, Va.	196	12	8.2	8	3.4	2, 3	4.6	4.8
Muskingum River.									Savannah River.	Weldon, N. C.	129	30	25.3	9	10.1	20-22	12.7	15.2
Zanesville, Ohio.	70	20	25.9	5	10.2	18	15.9	15.7	Cape Fear River.	Fayetteville, N. C.	112	38	25.0	9	6.0	22	11.3	19.0
Little Kanawha River.									Lynch Creek.	Effingham, S. C.	40	7	6.0	29-31	4.8	1-3	5.4	1.2
Glenville, W. Va.	103	20	9.0	23	0.6	20, 30	2.4	8.4	Black River.	Kingstree, S. C.	52	12	9.9	1	7.0	21, 22, 26	8.4	2.9
New River.									Wateree River.	Camden, S. C.	45	24	20.6	9	5.6	23	10.0	15.0
Radford, Va.	155	14	5.0	8	1.0	22-24	1.8	4.0	Congaree River.	Columbia, S. C.	37	15	6.5	9	0.7	3	1.5	5.8
Hinton, W. Va.	95	14	6.0	9	2.3	19-22	3.2	3.7	Santee River.	St. Stephen's, S. C.	50	12	8.9	3-5	5.9	26	7.8	3.0
Great Kanawha River.									Savannah River.	Calhoun Falls, S. C.	347	15	4.7	7	2.6	6, 31	3.1	2.1
Charleston, W. Va.	58	30	11.4	9	5.2	20, 21	7.0	6.2	Augusta, Ga.	268	32	17.6	9	8.0	20	9.9	9.6	
Scioto River.									Broad River.	Carlton, Ga.	30	11	5.7	8	2.5	20, 21	3.1	3.2
Columbus, Ohio.	110	17	17.7	26	3.0	17	7.3	14.7	Ocnee River.	Dublin, Ga.	79	30	6.8	11	2.0	22, 23	3.8	4.8
Licking River.									Comulgee River.	Abbeville, Ga.	203	18	7.3	8	3.0	31	4.3	4.3
Falmouth, Ky.	30	25	19.5	26	3.0	22	7.0	16.5	Flint River.	Woodbury, Ga.	80	20	8.2	1	4.1	26	6.1	4.1
Miami River.									Chatoochee River.	Fort Smith, Ark.	405	18	8.2	8	1.8	21, 31	2.9	6.4
Dayton, Ohio.	77	18	13.2	27	2.5	17	4.9	10.7	Oakdale, Ga.	239	20	6.0	8, 9	3.0	21, 22, 31	3.7	3.0	
Kentucky River.									Westpoint, Ga.	90	40	12.0	9	4.0	24, 31	6.5	8.0	
Beattyville, Ky.	254	30	11.8	27	1.8	2	3.9	10.0	Eufaula, Ala.	.....	271	30	8.8	24	2.3	1-4, 6	4.4	6.5
High Bridge, Ky.	117	17	17.5	27	10.6	3	13.1	9.3	Gadsden, Ga.	144	22	9.6	16	2.4	2, 3	5.4	7.2	
Frankfort, Ky.	65	31	13.8	27	7.2	2, 3	9.2	6.6	Lock No. 4, Ala.	116	17	8.0	16	2.3	3	4.7	5.7	
Wabash River.									Wetumpka, Ala.	6	45	12.8	17	6.3	24	9.1	6.6	
Mount Carmel, Ill.	50	15	26.5	31	10.8	1	17.8	15.7	Tallapoosa River.	Milstead, Ala.	38	35	9.6	9	2.6	31	3.9	7.0
Cinch River.									Alabama River.	Auburn, Ga.	80	20	8.2	1	4.1	21, 31	2.9	6.4
Speers Ferry, Va.	156	20	3.5	8	0.7	6	1.6	2.8	Chattahoochee River.	Gadsden, Ga.	271	30	8.8	24	2.3	1-4, 6	4.4	6.5
Clinton, Tenn.	52	25	16.0	25	6.6	6	9.5	9.4	Oakdale, Ga.	144	22	9.6	16	2.4	2, 3	5.4	7.2	
Holston River.									Westpoint, Ga.	239	20	6.0	8, 9	3.0	21, 22, 31	3.7	3.0	
Bluff City, Tenn.	170	15	5.7	24	1.5	17, 18, 21	2.2	4.2	Eufaula, Ala.	90	40	12.0	9	4.0	24, 31	6.5	8.0	
Rogersville, Tenn.	103	14	7.0	24	2.5	19-21	3.6	4.5	Coosa River.	Woodbury, Ga.	.....	2.5	6	0.8	{ 21, 25, 28 } { 30, 31 }	1.3	1.7	
French Broad River.									Rome, Ga.	80	20	8.2	1	4.1	26	6.1	4.1	
Asheville, N. C.	144	6	3.4	7, 8	-0.4	6	0.5	3.8	Gadsden, Ga.	271	30	8.8	24	2.3	1-4, 6	4.4	6.5	
Leadville, Tenn.	70	15	6.0	24	0.0	19	1.9	6.0	Lock No. 4, Ala.	144	22	9.6	16	2.4	2, 3	5.4	7.2	
Hiccupee River.									Wetumpka, Ala.	116	17	8.0	16	2.3	3	4.7	5.7	
Charleston, Tenn.	18	22	12.7	24	1.2	1	4.0	11.5	Tombigbee River.	6	45	12.8	17	6.3	24	9.1	6.6	
Tennessee River.									Red River.	Milstead, Ala.	38	35	9.6	9	2.6	31	3.9	7.0
Knoxville, Tenn.	635	29	12.6	25	2.6	29	5.2	10.0	Alabama River.	Dublin, Ga.	79	30	6.8	11	2.0	22, 23	3.8	4.8
Kingston, Tenn.	556	25	13.1	25	3.8	6	6.6	9.3	Montgomery, Ala.	203	18	7.3	8	3.0	31	4.3	4.3	
Chattanooga, Tenn.	452	33	22.1	25	5.8	21	10.4	16.3	Selma, Ala.	96	11	9.3	1	5.0	23	6.8	4.3	
Dardanelle, Ark.	402	24	17.4	26	4.3	21	8.5	13.1	Tombigbee River.	Columbus, Miss.	303	33	3.5	29-31	-1.3	1	0.8	4.8
Florence, Ala.	255	16	17.2	27, 28	4.6	7	8.8	12.6	Demopolis, Ala. ¹⁴	155	35	19.7	31	2.4	5	10.0	17.3	
River.									Tuscaloosa, Ala.	90	43	22.2	16	6.0	6	12.7	16.2	
River.									Sabine River.	Logansport, La.	180	25	10.5	31	3.0	13-18	5.5	7.5
Clarksville, Tenn.	126	42	44.0	2														

TABLE VII.—*Heights of rivers referred to zeros of gages.*—Continued.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.	Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.						Height.	Date.	Height.	Date.		
Neches River—Cont'd. Beaumont, Tex.	Miles. 40	Feet. 10	Feet. 2.4	30	Feet. —0.1	14	Feet. 1.1	2.5	Colorado River—Cont'd. Columbus, Tex.	Miles. 100	Feet. 24	6.9	23	Feet. 5.4	{ 9, 15, 16, } { 20-25 }	Feet. 5.6	1.5
Trinity River.									Red River of the North.								
Dallas, Tex.	330	25	27.2	27	1.8	10-12	7.7	25.4	Moorhead, Minn. ⁸	418	26	10.9	31	8.7	22, 23	.....	2.2
Riverside, Tex.	100	40	9.9	31	0.9	17, 19	2.7	9.0	Columbia River								
Liberty, Tex.	42	25	10.8	1	4.5	14, 15	6.0	6.3	Umatilla, Oreg.	270	25	9.7	11	3.5	5	6.1	6.2
Brasos River.									The Dalles, Oreg.	166	40	15.7	11	6.0	5	9.9	9.7
Kopperl, Tex.	369	21	2.6	27-29	-1.5	25	-0.2	4.1	Albany, Oreg.	118	20	21.0	10	9.5	27, 28	13.4	11.5
Waco, Tex.	301	24	5.1	29	2.0	14	2.5	3.1	Portland, Oreg.	12	15	15.5	11	7.7	28	11.6	7.8
Hempstead, Tex.	215	40	1.7	31	-1.7	19-28	-1.1	3.4	Sacramento River.								
Booth, Tex.	76	39	3.5	1-3	1.6	28-31	2.5	1.9	Red Bluff, Cal.	265	23	26.3	10	10.4	27	17.8	15.9
Colorado River.									Sacramento, Cal.	64	25	26.3	22	21.8	10	24.2	4.5
Ballinger, Tex.	400	21	1.2	1, 2, 17	1.0	3-16, 18-31	1.0	0.2									
Austin, Tex.	214	18	2.0	23	1.0	15, 16	1.3	1.0									

1 Frozen for 28 days. 2 Frozen entire month. 3 Frozen for 24 days. 4 Frozen for 22 days. 5 Frozen for 8 days. 6 16 days only. 7 17 days only. 8 Frozen for 21 days. 9 14 days only.

10 Frozen for 18 days. 11 Frozen for 4 days. 12 Frozen for 26 days. 13 Frozen for 23 days. 14 29 days only. 15 Gage broken. 16 Frozen for 3 days.

HAWAIIAN CLIMATOLOGICAL DATA.

By R. C. LYDECKER, Territorial Meteorologist.

Rainfall data for March, 1904.

Stations.	Elevation.	Amount.	Stations.		Elevation.	Amount.	Date.	Pressure at sea level.	Temperature.	During twenty-four hours preceding 1 p. m. Greenwich time, or 2:30 a. m. Honolulu time.						Total rainfall at 9 a. m., local time.					
			Feet.	Inches.	Feet.	Inches.				Maximum.	Minimum.	Dew-point.	Relative humidity.	Wind.	Sea-level pressures.	Force.	Average cloudiness.				
HAWAII.																					
HILO, e. and ne.	Feet. 50	Inches. 0.90	MAUI—Continued.	Feet. 180	Inches. 8.91			*	+	+	+	+	+	+	+	+	0.01				
Waiakea			Paiia.	2,000	9.20			29.92	66	65.5	65	65.5	85	sw.	29.95	29.86					
Hilo (town).	85	2.27	Haleakala Ranch.	250	11.31			29.90	68	65	63.5	78	nne.	0+10	29.95	29.79	0.42				
Kaumana	1,250	0.72	Wailuku, ne.			Keomuku.	10	6.78		29.85	73	69.5	67	65.5	89	s.	1-10	29.90	29.84	0.55	
Pepeekeo	100	1.38	OAHU.	47	7.30	Punahoa (W. B.), sw.	47	7.30		29.90	73	78	66	65.5	82	s.	0+10	29.95	29.81	0.18	
Hakalau	200	3.22	Kulaokahua (Castle), sw.	50	6.28	Makiki Reservoir.	120	4.36		29.92	73	79	66	70.0	83	sw.	1-10	29.95	29.83	0.28	
Honohina	300	3.80	U. S. Naval Station, sw.	6	6.57	Kapiolani Park, sw.	10	5.46		30.01	70	78	70	71.5	83	se-ws.	0+10	29.95	29.95	0.40	
Puuhonua	1,050	5.83	College Hills.	175	6.61	Manoa (Woodlawn Dairy), c.	285	6.90		29.96	71	69	67	66.5	79	w-ne-s.	0-1	5-7	30.03	29.95	T.
Laupahoehoe	500	10.85	Mauna (Rhodes Gardens).	360	8.04	Insane Asylum.	30	6.91		29.92	66	67	68	68.7	86	s.	1-10	5-10	29.98	29.90	
Okala	400		School street (Bishop), sw.					*	†	†	†	†	†	sw.	29.95	29.86	0.01				
HAMAKUA, n.e.			Kamehameha School.			Kalihu-Uka, sw.	485		29.90	68	65	77	65	78	sw-w.	0+10	29.95	29.79	0.42		
Kukuhale			Nuuanau (W. W. Hall), sw.	50	6.68	Nuuanau (Wyllie street).	250	6.86		29.90	73	78	66	68.5	82	nne.	0-10	29.90	29.84	0.55	
KOHALA, n.			Nuuanau (Elec. Station), sw.	405	6.65	Nuuanau (Luakaha), c.	850	11.03		29.96	71	70	75	70.0	83	s.	0+10	29.95	29.83	0.18	
Awini Ranch	1,100	5.86	U. S. Experiment Station.	350		Kaliuila.	1,150			30.01	70	67	78	71.5	83	se-ws.	0-1	8	30.04	29.95	0.40
Honokaa (Mill)	425	4.47	Lanikae (Nuuina).	9		Tantalus Heights (Frear).	1,360	5.93		29.97	66	65	80	68	70	s.	0+10	30.00	29.91	0.01	
Honokaa (Meinicke)	1,100		Waimanao, ne.	25	16.35	Mauna-wili, ne.	300	19.97		29.98	68	67.5	73	66	74	sw.	0+10	30.00	29.91	T.	
Kukuhale	700	4.14	Kaneohe.	100	14.52	Hauihuanu, ne.	350	19.37		29.85	65	64	76	66	74	s.	0+10	29.99	29.90	0.03	
KOHALA, n.			Wakaua.	900	15.61	Kahuku, n.	25	9.25		29.84	67	66	72	65	74	sw-w.	0+10	29.87	29.78	0.22	
Awini Ranch	1,100	8.78	Ewa Plantation, s.	60	6.97	Wai'ala.	900	15.61		29.84	70	67.5	77	66	78	sw.	1-10	29.86	29.78	0.24	
Halawa	450		U. S. Magnetic Station.	19		Wai'ana.	290	15.92		29.89	73	71.5	79	70	76	s.-sse.	1-10	29.94	29.85	0.03	
Niulii	200	3.16	Ho'opuloa.	20		Waipahu.	200	7.17		30.03	70	67	79	70	78	s.	0+10	30.03	29.94	0.01	
Kohala (Mission)	521	4.14	Ho'opuloa.	15		Waipahu.	21			30.00	69	67	78	67.5	83	ne-s.	0+10	30.05	29.96	0.01	
Kohala (Sugar Co.)	270	2.96	Puuanah.	22		Pacific Heights.	23			29.92	68	67	68	65.5	78	ne.	0+10	30.01	29.91	0.01	
Hawi Mill	700	4.47	KAUAI.	24		Lihue (Grove Farm), e.	200	10.43		29.89	65	64.5	69	63.1	93	ne-nw.	3-0	10	30.00	29.89	0.65
Puakea Ranch	600	4.18	Lihue (Molokoa), e.	300	10.21	Lihue (Kukaua), e.	1,000	10.09		29.88	59	56	60	57	87	sw-w.	1-0	5	29.93	29.85	0.80
Honuapo	15	4.44	Lihue (Kihohana).	27		Lihue (Kihohana).	400			29.88	61	59	74	58	74	sw.	1-0	4	29.93	29.85	0.00
Naalehu	650	5.61	Kealia, e.	28		Kealia, e.	15			29.91	62	60	77	60	75	sw.	1-0	7	29.96	29.86	0.00
Hilea	310	4.40	Kilauea (Plantation), ne.	29		Kilauea (Plantation), ne.	325	17.03		29.92	68	65	79	62.5	75	sw.	0+10	8	30.00	29.93	0.00
Pahala	850	4.69	Hanalei, n.	30		Hanalei, n.	10			29.95	71	69	74	68	83	ne.	0+10	10	30.06	29.96	0.02
Moaula			Waioli.	31		Haena.				29.94	68	67	80	69	83	sw.	0+10	10	30.00	29.92	0.43
Volcano House.	4,000	4.47	Waiau.			Sums.													7.30		
PUNA, e.			Eele.	150	4.74	Means	29,910	68.1	66.2	77.0	66.2	65.7	83.5			0.24	6.7	29,964	29,869		
Olaa, Mountain View (Russel)	1,530		Waihaha (Mountain).	3,000		Depar-	-														
Olaa Plantation (Mill)	210		McBryde (Residence)	850	5.50	ture.	—.089												+3.54		
Kapoho	110	2.43	Lawai (Gov. Road).	450	7.14																
Pahoao	600	3.13	Lawai, w.	225	4.78																
MAUI.			Koloa.	800	5.57																
Lahaina.			Lawai.	100	6.24																
Waipao Ranch	700	9.30	Delayed February reports.																		
Kaupo (Mokulau), s.	285	9.48	Pahala.																		
Kipahulu, s.	308	9.19	Hawi Mill.																		
Hana.			Ookala.																		
Nahiku, ne	900	9.83	U. S. Magnetic Station.																		
Nahiku	1,600	13.00	25.29																		
Haiku, n.	700	8.90	Honokaa.	16.71																	
Kula (Erehwon), n.	4,500	9.68	Kilauea.	15.35																	
Kula (Walakoa), n.	2,700	10.65																			
Fu'uonalei, n.	1,400	9.92																			

NOTE.—The letters n, s, e, w, and c show the exposure of the station relative to the winds.

GENERAL SUMMARY FOR MARCH, 1904.

The record for the month, as a whole, was unique in the annals of the Weather Bureau. Light southerly winds and

calms predominated, while the trades were conspicuous by their absence, and though there were light airs from that quarter during a portion of six days, they could by no means be designated as trade winds. The consecutive number of days of southerly winds was the greatest on record, while the wind force was the lightest, probably the lightest known here, the mean temperature for the month of March, 1904, $(6+2+9)+3=71.2^{\circ}$; normal is 70.7° . Mean pressure for the month of March,